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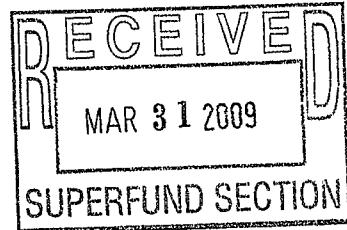
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# FROEHLING & ROBERTSON, INC.

ENGINEERING • ENVIRONMENTAL • GEOTECHNICAL  
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To: NCDENR, Inactive Hazardous Sites Branch  
401 Oberlin Road, Suite 150  
1646 Mail Service Center  
Raleigh, NC 27699-1646

Attn: Mr. Bruce Lefler

Date: 3/27/09

F&R No.: D66-130E

Reference: Mount Holly Office

We are sending you  Attached  Under separate cover via \_\_\_\_\_

The following items:

Engineering Reports  Prints  Copy of Letter  Plans  
 Test Reports  Samples  Contract  Other: \_\_\_\_\_

COPIES	DATE	NO.	DESCRIPTION
1	3/27/09		First Semi-Annual 2009 Groundwater Sampling Report

Remarks:

Distribution:

Mr. Robert Gron (NCDENR, DFR)

Signed



## FROEHLING & ROBERTSON, INC.

Engineering • Environmental • Geotechnical

310 Hubert Street  
Raleigh, North Carolina 27603-2302 | USA  
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March 27, 2009

North Carolina Department of Environment and Natural Resources  
Division of Forest Resources  
1616 Mail Service Center  
Raleigh, NC 27699-1616

Attention: Mr. Robert Gron, P.E.

Reference: ***First Semi-Annual 2009 Natural Attenuation Groundwater Sampling Report***  
**NC Forest Service-Hydraulic Lifts**  
1933 Mountain Island Highway, Gaston County, NC  
GW Incident Number: 20181  
Rank: High  
F&R Project No. D66-130E

**NONCD 000 2847**

Dear Mr. Gron:

Please find attached a groundwater sampling report for the above referenced site. Please review this report and contact me if you have any questions or comments.

Sincerely,  
**Froehling & Robertson, Inc.**

Michael S. Sabodish, Jr., Ph.D., P.E.  
Soil and Groundwater Services Manager



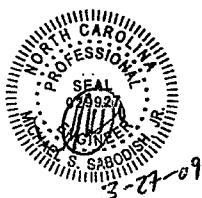
**First Semi-Annual 2009 Natural  
Attenuation Groundwater Sampling Report**  
**NCDENR, Division of Forest Resources**  
**District 12 Headquarters**  
**Mount Holly, North Carolina**  
**F&R Project No. D66-130E**  
**March 27, 2009**

**Incident Name:** NC Forest Service-Hydraulic Lifts  
**Location:** 1933 Mountain Island Highway (Hwy 273), Mount Holly, North Carolina 28120  
**GW Incident Number:** 20181  
**Facility ID Number:** 0-021807  
**Risk Classification:** High, 105B  
**UST/Property Owner:** North Carolina Division of Forest Resources (NCDFR), 1616 Mail Service Center, Raleigh, NC 27699-1616, (919) 733-2162  
**Consultant:** Froehling and Robertson, Inc., 310 Hubert Street, Raleigh, North Carolina 27603, (919) 828-3441  
**Date Release Discovered:** March 18, 1997  
**Estimated Quantity Released:** Unknown  
**Cause and Source of Release:** Unknown  
**Size and Contents of Former UST System** Two 70 gallon capacity hydraulic fluid USTs (Installed in 1973 and Removed in 1997)  
**Latitude/Longitude:** Latitude-N35° 19' 526" Longitude-W80° 59' 51"

**Prepared by:**

*Michael S. Sabodish*

\_\_\_\_\_  
Michael S. Sabodish, Jr., Ph.D., P.E.  
Soil and Groundwater Services Manager



**Reviewed by:**

*Christopher J. Burkhardt*

\_\_\_\_\_  
Christopher J. Burkhardt  
Environmental Department Manager



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## LIST OF ATTACHMENTS

### Figures

- Figure 1: Site Location Map
- Figure 2: Water Supply Well Location Map
- Figure 3: Groundwater Surface-February 29, 2009

### Tables

- Table 1: Monitoring Well Construction Summary and Groundwater Elevations
- Table 2: Summary of Historical MADEP EPH Groundwater Analytical Results
- Table 3: Summary of Monitoring Well Analytical Results for Metals
- Table 4: Summary of Water Supply Well Analytical Results for Metals
- Table 5: Summary of Water Supply Wells

### Laboratory Results

Laboratory Analytical Results and Chain-of Custody Documentation



## **1.0 SITE INFORMATION AND THE RESULTS OF GROUNDWATER SAMPLING ACTIVITIES**

The following Natural Attenuation Groundwater Sampling Report has been prepared by Froehling & Robertson, Inc. (F&R) for the North Carolina Department of Environment and Natural Resources, Division of Forest Resources (NCDFR) District 12 Headquarters facility located on Highway 273 in Mount Holly, North Carolina. The location of the facility is shown on Figure 1.

### **1.1 MONITORING WELL SAMPLING**

Groundwater sampling was performed on February 25, 2009 in monitoring wells MW-A1, MW-A3, MW-7, MW-10, MW-11 and MW-12. Monitoring wells MW-A2, MW-4, MW-8 and MW-9 are not included on the NCDENR sampling schedule. Monitoring wells MW-1, MW-2, MW-3, MW-5 and MW-6 were not able to be located. Of the un-located wells, only MW-2 was scheduled to be sampled. F&R sampled MW-7 as a substitute for monitoring well MW-2. It appears the site has been re-graded with gravel and it is possible that monitoring wells MW-2, MW-5 and MW-6 have been destroyed.

Prior to sampling, each monitoring well was gauged with a Keck oil-water interface probe. Groundwater measurements are included in Table 1. The groundwater surface for the sampling date of February 25, 2009 is shown in Figure 3. Based on the data obtained and the constructed groundwater surface map, it appears that groundwater was flowing to the east and south west from a high spot in the vicinity of monitoring well MW-A1.

The groundwater samples were collected using disposable polyethylene bailers and new nylon line and poured into laboratory supplied bottles. The samples were collected for analysis of volatile and semi-volatile compounds using EPA methods 8260 and 8270 respectively, metals by EPA 6010 and Mercury by EPA Method 245.1. The samples were placed into a cooler chilled with ice and submitted to Pace Analytical Services in Huntersville, NC following standard chain-of-custody procedures.



The sampling scope outlined above is a deviation from the historical sampling scope. In conversations with Mr. Bruce Lefler of NCDENR Inactive Hazardous Sites Branch, it was suggested that the sampling scope be altered to the one outlined above. Mr. Lefler indicated depending on the results of the sampling event a No Further Action (NFA) letter for the site may be issued. Based on the results of the most recent sampling event, it is F&R's professional opinion that a NFA letter will not be issued due to the presence of tetrachloroethene (1.2 µg/L) observed in monitoring well MW-1A.

### **1.2 WATER SUPPLY WELL SAMPLING**

Water supply wells WSW-2, WSW-4 and WSW-5 were sampled on February 25, 2009. Water supply wells not sampled are not in use, used for reasons other than drinking, or not on the approved NCDENR sampling schedule. Prior to sampling, each well was purged for a minimum of 15 minutes. The samples were poured into laboratory supplied containers and submitted for analysis of volatile and semi-volatile compounds using EPA methods 8260 and 8270 respectively, metals by EPA 6010 and Mercury by EPA Method 245.1. The samples were placed into a cooler chilled with ice and submitted to Pace Analytical Services in Huntersville, NC following standard chain-of-custody procedures.

F&R notes that the house being supplied by WSW-2 is now vacant. In order to collect a sample from the WSW-2, F&R had to turn on the circuit breaker for the well pump located outside the house. It is uncertain how long power will be supplied to this well, therefore during future sampling events this water-supply well may not be able to be sampled.

### **1.3 SUMMARY OF ANALYTICAL RESULTS**

Volatile Compounds: Volatile compounds were detected above the reporting limit by EPA Method 8260 analysis in the sample collected from monitoring well MW-1A (tetrachloroethene: 1.2 µg/L) sampled on February 25, 2009. This concentration is above the North Carolina groundwater quality standard of 0.7 µg/L as outlined in North Carolina



Administrative Code 15A NCAC 2L .0202. All other monitoring and water-supply wells sampled did not contain volatile organic compounds above the reporting limit.

Semi-volatile Compounds: Semi-volatile compounds were not detected above the reporting limit by EPA Method 8270 analysis in the samples collected from the monitoring wells or water supply wells sampled on February 25, 2009.

Metals Analysis: Laboratory analysis of metals by EPA Method 6010 and EPA Method 245.1 detected the following metals in monitoring and water-supply wells at concentrations above the reporting limits: Chromium, Copper, Lead, Manganese, Nickel, Zinc and Mercury.

Concentrations of zinc in water-supply well WSW-2 (849 µg/L) exceeded the EPA Drinking water standard of 500 µg/L.

Concentrations of Chromium (56.2 µg/L) exceeded the NCAC 2L Groundwater Standard (50 µg/L) in monitoring well MWA-3. In addition, concentrations of Manganese in monitoring wells MW-3 (51.2 µg/L), MW-7 (53.3 µg/L) and monitoring well MW-10 (1030 µg/L) exceeded the NCAC 2L Groundwater Standard (50 µg/L) during the sampling event performed on February 25, 2009.

Laboratory analytical report forms (Certificate of Analysis) are attached in Appendix A. Historical results of groundwater sampling events are presented in Table 2, while the analytical results for metal concentrations in the monitoring wells and water-supply wells are presented in Tables 3 and 4 respectively.

## **2.0 LOCAL AREA WATER SUPPLY**

A municipal water line is located along Mountain Island Highway. The line originates at the Mount Holly water treatment plant located northeast of the site. The line runs south from the treatment plant to the town of Mount Holly. The NCDFR site and properties located within the 1,500 foot radius south of the site along Mountain Island Highway are connected to the line.



The municipal water intake is located upstream of the estimated point of groundwater discharge.

The municipal water line is not present on Flat Rock Cemetery Road that is located north of the site. In addition, the water line does not supply water to a portion of the residences that are located north of the site on Mountain Island Highway. The following is a summary of the results of a water supply well survey that was conducted in 2003 and 2004.

- Non-active water supply wells present within 1,000 feet of the source area: WSW-1, WSW-3, and WSW-8.
- Active water supply wells present within 1,000 feet of the source area: WSW-2, WSW-4, WSW-5, WSW-6, WSW-7, and WSW-9.

Water supply well locations are shown on Figure 2. The property addresses, well status and well owners are listed on Table 5.

### **3.0 PROXIMITY OF PLUME TO THE CLOSEST POTENTIAL RECEPTORS**

The closest in-use water supply well is WSW-2 (currently inactive) which is located approximately 400 feet northwest of the source area. At the time of the February 25, 2009 sampling, F&R personnel observed this house to be vacant, with the power turned off to the well. The remainder of the water supply wells are located either north or west of the source area. Historically, groundwater flow at the site was oriented to the east and away from the water supply wells. It appears that groundwater from the site discharges to the Catawba River located east of the site. The groundwater flow direction on the sampling date indicates a groundwater divide is present on the property with groundwater flow oriented towards the east and southwest.

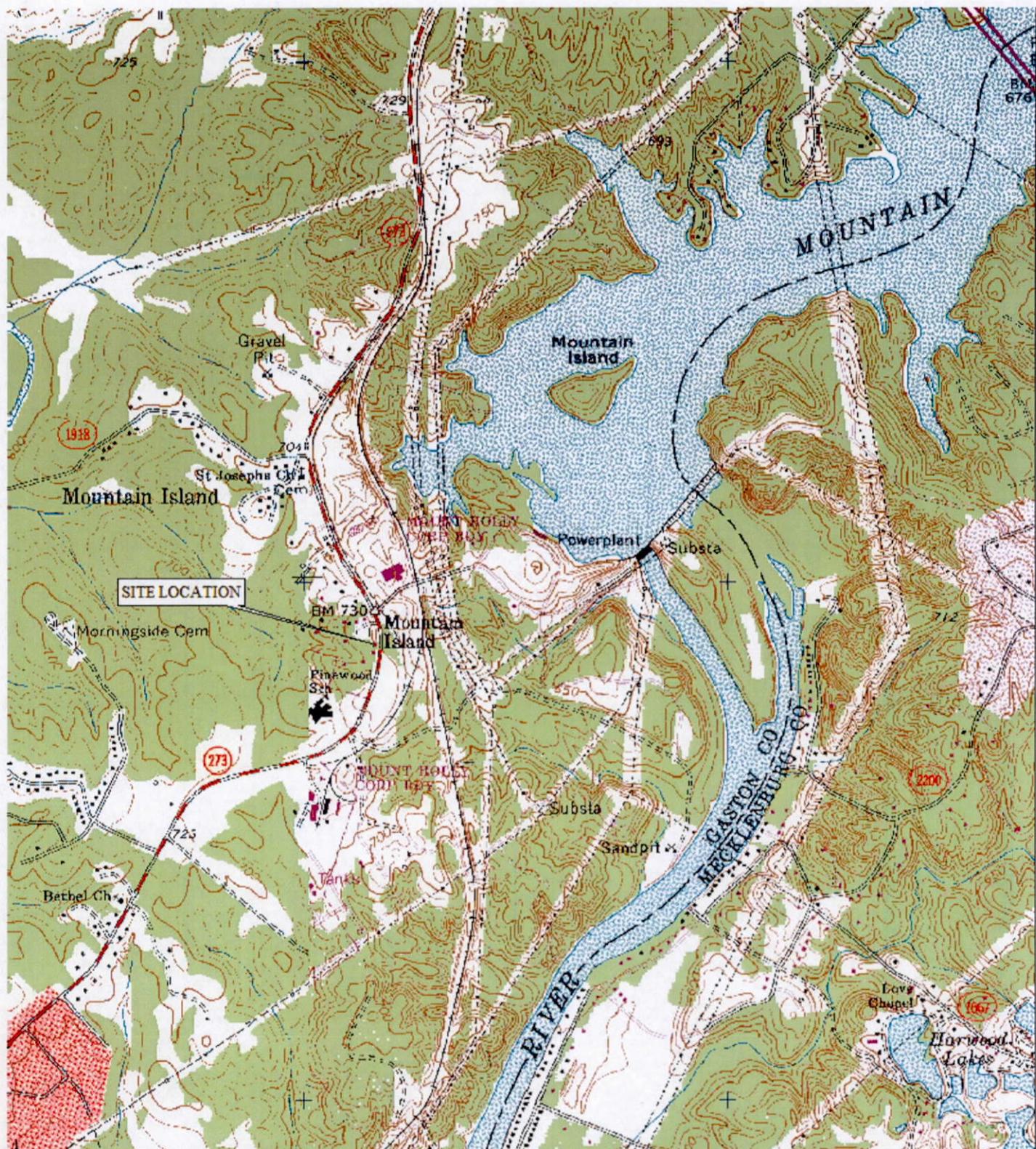
### **4.0 CONCLUSIONS AND RECOMMENDATIONS**

The following conclusions and recommendations are based on the results of site activities performed during March 2009:



- Volatile compounds (tetrachloroethene: 1.2 µg/L) were detected in only one monitoring well (MW-1A). This concentration is above the North Carolina groundwater quality standard of 0.7 µg/L as outlined in the North Carolina Administrative Code 15A NCAC 2L .0202. All other monitoring wells and water-supply wells were not impacted by volatile compounds during the February 25, 2009 sampling event.
- Semi-volatile compounds were not detected above the reporting limit in the samples collected from the monitoring wells or water supply wells sampled on February 25, 2009.
- Metals (Chromium, Copper, Lead, Manganese, Nickel, Zinc and Mercury) were detected in monitoring and water-supply wells at concentrations above the reporting limits.
- Concentrations of zinc in water-supply well WSW-2 (849 µg/L) exceeded the EPA Drinking water standard of 500 µg/L.
- Concentrations of Chromium (56.2 µg/L) exceeded the NCAC 2L Groundwater Standard (50 µg/L) in monitoring well MWA-3. In addition, concentrations of Manganese in monitoring wells MW-3 (51.2 µg/L), MW-7 (53.3 µg/L) and monitoring well MW-10 (1030 µg/L) exceeded the NCAC 2L Groundwater Standard (50 µg/L) during the sampling event performed on February 25, 2009.
- The next sampling event is scheduled for August 2009.

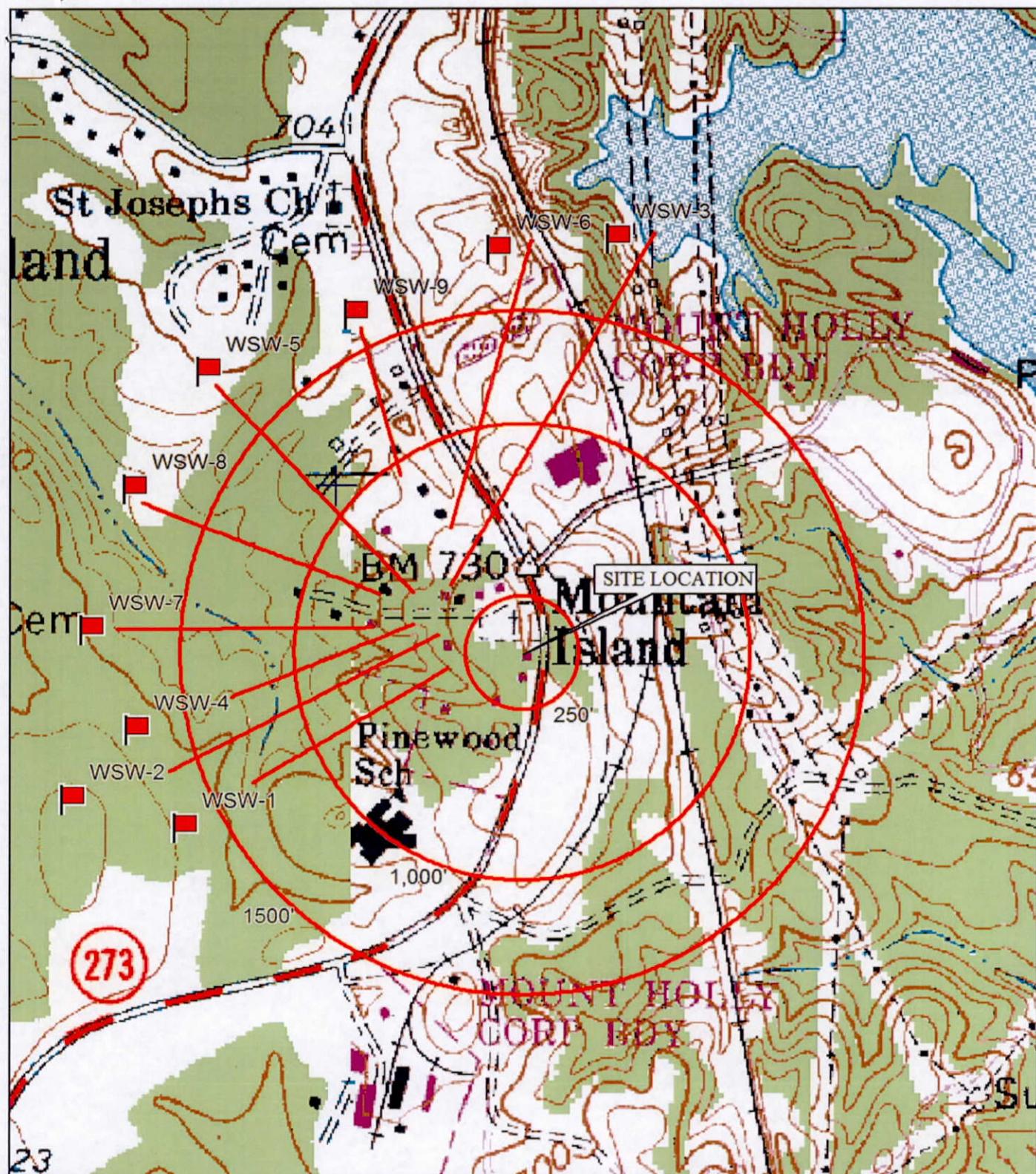
## **FIGURES**



SITE LOCATION MAP

N ↑

<p><b>FROEHLING &amp; ROBERTSON, INC.</b> GEOTECHNICAL • ENVIRONMENTAL • MATERIALS ENGINEERING • LABORATORIES “OVER ONE HUNDRED YEARS OF SERVICE”</p>	Client:	NCDFR
	Project:	District 12 Headquarters
	Location:	Mt. Holly, North Carolina
	F&R Project No.:	D66-130
	Source:	USGS Mt. Holly Topo. Map (1993)
	Date: March 2009	Approximate Scale: 1"=1,500'      Figure No.: 1



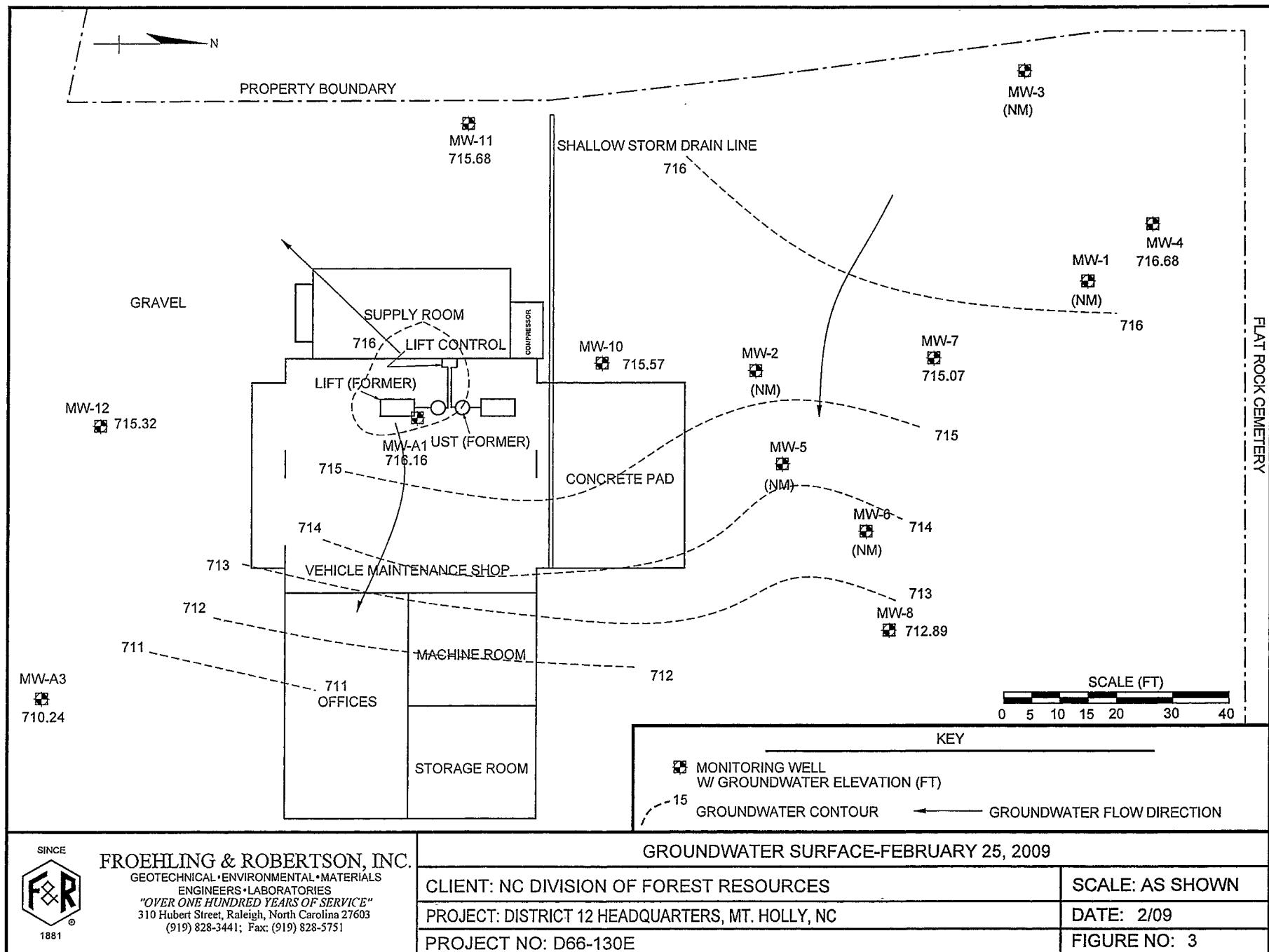
WATER SUPPLY WELL LOCATION MAP

N ↑



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ENGINEERING • LABORATORIES  
“OVER ONE HUNDRED YEARS OF SERVICE”

Client:	NCDFR		
Project:	District 12 Headquarters		
Location:	Mt. Holly, North Carolina		
F&R Project No.:	D66-130		
Source:	USGS Mt. Holly Topo. Map (1993)	Date: March 2009	Approximate Scale: 1"=600'
			Figure No.: 2



## **TABLES**

**TABLE 1**  
**MONITORING WELL CONSTRUCTION SUMMARY AND GROUNDWATER ELEVATIONS**  
**NCDFR DISTRICT 12 HEADQUARTERS**  
**MOUNT HOLLY, NC**  
**F&R PROJECT NO. D66-130E**

Facility ID No: 0-021807

Incident No./Name: 20181/NC Forest Service-Hydraulic Lifts

Well ID	Date Installed	Casing Depth	Screened Interval (BGS)	Bottom of Well (BGS)	Surface-Manhole Elevation	TOC Elevation	Date of Water Level Measurement	Depth to Water from TOC	Groundwater Elevation
MW-1	1/28/94	14.5	14.5-24.5	24.5	727.92	727.68	1/29/94	13.00	714.68
	1/28/94	14.5	14.5-24.5	24.5	727.92	727.68	10/11/94	13.22	714.46
	1/28/94	14.5	14.5-24.5	24.5	727.92	727.68	3/2/95	12.79	714.89
	1/28/94	14.5	14.5-24.5	24.5	727.92	727.68	6/7/95	10.38	717.30
	1/28/94	14.5	14.5-24.5	24.5	727.92	727.68	10/18/95	12.42	715.26
	1/28/94	14.5	14.5-24.5	24.5	727.92	727.68	12/27/95	8.84	718.84
	1/28/94	14.5	14.5-24.5	24.5	727.92	727.68	3/14/96	5.97	721.71
	1/28/94	14.5	14.5-24.5	24.5	727.92	727.68	7/2/96	11.12	716.56
	1/28/94	14.5	14.5-24.5	24.5	727.92	727.68	9/17/96	11.44	716.24
	1/28/94	14.5	14.5-24.5	24.5	727.92	727.68	1/29/97	10.21	717.47
	1/28/94	14.5	14.5-24.5	24.5	727.92	727.68	5/13/97	7.60	720.08
	1/28/94	14.5	14.5-24.5	24.5	727.92	727.68	8/14/97	13.29	714.39
	1/28/94	14.5	14.5-24.5	24.5	727.92	727.68	11/24/97	14.73	712.95
	1/28/94	14.5	14.5-24.5	24.5	727.92	727.68	7/23/98	13.40	714.28
	1/28/94	14.5	14.5-24.5	24.5	727.92	727.68	3/16/99	13.65	714.03
	1/28/94	14.5	14.5-24.5	24.5	727.92	727.68	8/4/99	16.37	711.31
	1/28/94	14.5	14.5-24.5	24.5	727.92	727.68	3/29/00	11.64	716.04
	1/28/94	14.5	14.5-24.5	24.5	727.92	727.68	8/16/00	16.80	710.88
	1/28/94	14.5	14.5-24.5	24.5	727.92	727.68	2/7/01	18.35	709.33
	1/28/94	14.5	14.5-24.5	24.5	727.92	727.68	8/24/04	13.91	713.77
	1/28/94	14.5	14.5-24.5	24.5	727.92	727.68	9/13/04	13.16	714.52
	1/28/94	14.5	14.5-24.5	24.5	727.92	727.68	2/28/05	11.33	716.35
	1/28/94	14.5	14.5-24.5	24.5	727.92	727.68	9/1/05	14.81	712.87
	1/28/94	14.5	14.5-24.5	24.5	727.92	727.68	2/23/06	10.98	716.70
	1/28/94	14.5	14.5-24.5	24.5	727.92	727.68	8/24/06	15.35	712.33
	1/28/94	14.5	14.5-24.5	24.5	727.92	727.68	2/22/07	10.68	717.00
	1/28/94	14.5	14.5-24.5	24.5	727.92	727.68	9/7/07	15.94	711.74

**TABLE 1**  
**MONITORING WELL CONSTRUCTION SUMMARY AND GROUNDWATER ELEVATIONS**  
**NCDFR DISTRICT 12 HEADQUARTERS**  
**MOUNT HOLLY, NC**  
**F&R PROJECT NO. D66-130E**

Facility ID No: 0-021807

Incident No./Name: 20181/NC Forest Service-Hydraulic Lifts

Well ID	Date Installed	Casing Depth	Screened Interval (BGS)	Bottom of Well (BGS)	Surface-Manhole Elevation	TOC Elevation	Date of Water Level Measurement	Depth to Water from TOC	Groundwater Elevation
MW-2	1/28/94	10	10-20	20	729.57	729.40	1/29/94	15.27	714.13
	1/28/94	10	10-20	20	729.57	729.40	10/11/94	15.23	714.17
	1/28/94	10	10-20	20	729.57	729.40	3/2/95	15.00	714.40
	1/28/94	10	10-20	20	729.57	729.40	6/7/95	12.70	716.70
	1/28/94	10	10-20	20	729.57	729.40	10/18/95	14.43	714.97
	1/28/94	10	10-20	20	729.57	729.40	12/27/95	11.21	718.19
	1/28/94	10	10-20	20	729.57	729.40	3/14/96	8.56	720.84
	1/28/94	10	10-20	20	729.57	729.40	7/2/96	13.32	716.08
	1/28/94	10	10-20	20	729.57	729.40	9/17/96	13.71	715.69
	1/28/94	10	10-20	20	729.57	729.40	1/29/97	12.80	716.60
	1/28/94	10	10-20	20	729.57	729.40	5/13/97	10.00	719.40
	1/28/94	10	10-20	20	729.57	729.40	8/14/97	15.29	714.11
	1/28/94	10	10-20	20	729.57	729.40	11/24/97	16.28	713.12
	1/28/94	10	10-20	20	729.57	729.40	7/23/98	15.35	714.05
	1/28/94	10	10-20	20	729.57	729.40	2/7/01	20.64	708.76
	1/28/94	10	10-20	20	729.57	729.40	8/24/04	15.65	713.75
	1/28/94	10	10-20	20	729.57	729.40	9/13/04	15.06	714.34
	1/28/94	10	10-20	20	729.57	729.40	2/28/05	13.64	715.76
	1/28/94	10	10-20	20	729.57	729.40	9/1/05	16.60	712.80
	1/28/94	10	10-20	20	729.57	729.40	2/23/06	13.55	715.85
	1/28/94	10	10-20	20	729.57	729.40	8/24/06	17.26	712.14
	1/28/94	10	10-20	20	729.57	729.40	2/22/07	13.22	716.18
	1/28/94	10	10-20	20	729.57	729.40	9/7/07	17.73	711.67
	1/28/94	10	10-20	20	729.57	729.40	6/3/08	8.50	720.90

**TABLE 1**  
**MONITORING WELL CONSTRUCTION SUMMARY AND GROUNDWATER ELEVATIONS**  
**NCDFR DISTRICT 12 HEADQUARTERS**  
**MOUNT HOLLY, NC**  
**F&R PROJECT NO. D66-130E**

Facility ID No: 0-021807

Incident No./Name: 20181/NC Forest Service-Hydraulic Lifts

Well ID	Date Installed	Casing Depth	Screened Interval (BGS)	Bottom of Well (BGS)	Surface-Manhole Elevation	TOC Elevation	Date of Water Level Measurement	Depth to Water from TOC	Groundwater Elevation
MW-3	2/10/94	9.5	9.5-19.5	19.5	727.6	727.39	1/29/94	12.50	714.89
	2/10/94	9.5	9.5-19.5	19.5	727.6	727.39	10/11/94	12.65	714.74
	2/10/94	9.5	9.5-19.5	19.5	727.6	727.39	3/2/95	12.06	715.33
	2/10/94	9.5	9.5-19.5	19.5	727.6	727.39	6/7/95	10.28	717.11
	2/10/94	9.5	9.5-19.5	19.5	727.6	727.39	10/18/95	11.85	715.54
	2/10/94	9.5	9.5-19.5	19.5	727.6	727.39	12/27/95	8.24	719.15
	2/10/94	9.5	9.5-19.5	19.5	727.6	727.39	3/14/96	5.19	722.20
	2/10/94	9.5	9.5-19.5	19.5	727.6	727.39	7/2/96	10.74	716.65
	2/10/94	9.5	9.5-19.5	19.5	727.6	727.39	9/17/96	11.25	716.14
	2/10/94	9.5	9.5-19.5	19.5	727.6	727.39	1/29/97	9.78	717.61
	2/10/94	9.5	9.5-19.5	19.5	727.6	727.39	5/13/97	6.71	720.68
	2/10/94	9.5	9.5-19.5	19.5	727.6	727.39	8/14/97	12.92	714.47
	2/10/94	9.5	9.5-19.5	19.5	727.6	727.39	11/24/97	14.26	713.13
	2/10/94	9.5	9.5-19.5	19.5	727.6	727.39	7/23/98	12.98	714.41
	2/10/94	9.5	9.5-19.5	19.5	727.6	727.39	3/16/99	13.09	714.30
	2/10/94	9.5	9.5-19.5	19.5	727.6	727.39	8/4/99	15.83	711.56
	2/10/94	9.5	9.5-19.5	19.5	727.6	727.39	3/29/00	10.14	717.25
	2/10/94	9.5	9.5-19.5	19.5	727.6	727.39	8/16/00	16.18	711.21
	2/10/94	9.5	9.5-19.5	19.5	727.6	727.39	2/7/01	17.67	709.72
	2/10/94	9.5	9.5-19.5	19.5	727.6	727.39	8/24/04	13.56	713.83
	2/10/94	9.5	9.5-19.5	19.5	727.6	727.39	9/13/04	13.06	714.33
	2/10/94	9.5	9.5-19.5	19.5	727.6	727.39	2/28/05	10.94	716.45
	2/10/94	9.5	9.5-19.5	19.5	727.6	727.39	9/1/05	14.26	713.13
	2/10/94	9.5	9.5-19.5	19.5	727.6	727.39	2/23/06	9.97	717.42
	2/10/94	9.5	9.5-19.5	19.5	727.6	727.39	8/24/06	14.86	712.53
	2/10/94	9.5	9.5-19.5	19.5	727.6	727.39	2/22/07	9.69	717.70
	2/10/94	9.5	9.5-19.5	19.5	727.6	727.39	9/7/07	15.39	712.00

**TABLE 1**  
**MONITORING WELL CONSTRUCTION SUMMARY AND GROUNDWATER ELEVATIONS**  
**NCDFR DISTRICT 12 HEADQUARTERS**  
**MOUNT HOLLY, NC**  
**F&R PROJECT NO. D66-130E**

Facility ID No: 0-021807

Incident No./Name: 20181/NC Forest Service-Hydraulic Lifts

Well ID	Date Installed	Casing Depth	Screened Interval (BGS)	Bottom of Well (BGS)	Surface-Manhole Elevation	TOC Elevation	Date of Water Level Measurement	Depth to Water from TOC	Groundwater Elevation
MW-4	6/9/94	10	10-20	20	728.46	728.23	10/11/94	13.32	714.91
	6/9/94	10	10-20	20	728.46	728.23	3/2/95	13.65	714.58
	6/9/94	10	10-20	20	728.46	728.23	6/7/95	10.94	717.29
	6/9/94	10	10-20	20	728.46	728.23	10/18/95	12.52	715.71
	6/9/94	10	10-20	20	728.46	728.23	12/27/95	8.05	720.18
	6/9/94	10	10-20	20	728.46	728.23	3/14/96	5.91	722.32
	6/9/94	10	10-20	20	728.46	728.23	7/2/96	11.51	716.72
	6/9/94	10	10-20	20	728.46	728.23	9/17/96	11.99	716.24
	6/9/94	10	10-20	20	728.46	728.23	1/29/97	10.45	717.78
	6/9/94	10	10-20	20	728.46	728.23	5/13/97	7.75	720.48
	6/9/94	10	10-20	20	728.46	728.23	8/14/97	13.68	714.55
	6/9/94	10	10-20	20	728.46	728.23	11/24/97	14.80	713.43
	6/9/94	10	10-20	20	728.46	728.23	7/23/98	13.74	714.49
	6/9/94	10	10-20	20	728.46	728.23	3/16/99	13.84	714.39
	6/9/94	10	10-20	20	728.46	728.23	8/4/99	16.60	711.63
	6/9/94	10	10-20	20	728.46	728.23	3/29/00	10.98	717.25
	6/9/94	10	10-20	20	728.46	728.23	8/16/00	17.03	711.20
	6/9/94	10	10-20	20	728.46	728.23	2/7/01	17.57	710.66
	6/9/94	10	10-20	20	728.46	728.23	8/24/04	13.33	714.90
	6/9/94	10	10-20	20	728.46	728.23	9/13/04	13.74	714.49
	6/9/94	10	10-20	20	728.46	728.23	2/28/05	11.63	716.60
	6/9/94	10	10-20	20	728.46	728.23	9/1/05	15.25	712.98
	6/9/94	10	10-20	20	728.46	728.23	2/23/06	10.84	717.39
	6/9/94	10	10-20	20	728.46	728.23	8/24/06	15.76	712.47
	6/9/94	10	10-20	20	728.46	728.23	2/22/07	10.66	717.57
	6/9/94	10	10-20	20	728.46	728.23	9/7/07	16.36	711.87
	6/9/94	10	10-20	20	728.46	728.23	2/25/09	11.55	716.68

**TABLE 1**  
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**NCDFR DISTRICT 12 HEADQUARTERS**  
**MOUNT HOLLY, NC**  
**F&R PROJECT NO. D66-130E**

Facility ID No: 0-021807

Incident No./Name: 20181/NC Forest Service-Hydraulic Lifts

Well ID	Date Installed	Casing Depth	Screened Interval (BGS)	Bottom of Well (BGS)	Surface-Manhole Elevation	TOC Elevation	Date of Water Level Measurement	Depth to Water from TOC	Groundwater Elevation
MW-5	6/9/94	10	10-20	20	729.46	729.23	10/11/94	15.60	713.63
	6/9/94	10	10-20	20	729.46	729.23	3/2/95	15.02	714.21
	6/9/94	10	10-20	20	729.46	729.23	6/7/95	13.18	716.05
	6/9/94	10	10-20	20	729.46	729.23	10/18/95	14.80	714.43
	6/9/94	10	10-20	20	729.46	729.23	12/27/95	11.33	717.90
	6/9/94	10	10-20	20	729.46	729.23	3/14/96	8.92	720.31
	6/9/94	10	10-20	20	729.46	729.23	7/2/96	13.48	715.75
	6/9/94	10	10-20	20	729.46	729.23	9/17/96	14.88	714.35
	6/9/94	10	10-20	20	729.46	729.23	1/29/97	13.01	716.22
	6/9/94	10	10-20	20	729.46	729.23	5/13/97	10.15	719.08
	6/9/94	10	10-20	20	729.46	729.23	8/14/97	15.42	713.81
	6/9/94	10	10-20	20	729.46	729.23	11/24/97	16.72	712.51
	6/9/94	10	10-20	20	729.46	729.23	7/23/98	15.45	713.78
	6/9/94	10	10-20	20	729.46	729.23	3/16/99	16.55	712.68
	6/9/94	10	10-20	20	729.46	729.23	8/16/00	19.12	710.11
	6/9/94	10	10-20	20	729.46	729.23	8/24/04	15.79	713.44
	6/9/94	10	10-20	20	729.46	729.23	9/13/04	15.40	713.83
	6/9/94	10	10-20	20	729.46	729.23	2/28/05	13.85	715.38
	6/9/94	10	10-20	20	729.46	729.23	9/1/05	16.69	712.54
	6/9/94	10	10-20	20	729.46	729.23	2/23/06	13.76	715.47
	6/9/94	10	10-20	20	729.46	729.23	8/24/06	17.60	711.63
	6/9/94	10	10-20	20	729.46	729.23	2/22/07	13.52	715.71
	6/9/94	10	10-20	20	729.46	729.23	9/7/07	17.84	711.39

**TABLE 1**  
**MONITORING WELL CONSTRUCTION SUMMARY AND GROUNDWATER ELEVATIONS**  
**NCDFR DISTRICT 12 HEADQUARTERS**  
**MOUNT HOLLY, NC**  
**F&R PROJECT NO. D66-130E**

Facility ID No: 0-021807

Incident No./Name: 20181/NC Forest Service-Hydraulic Lifts

Well ID	Date Installed	Casing Depth	Screened Interval (BGS)	Bottom of Well (BGS)	Surface-Manhole Elevation	TOC Elevation	Date of Water Level Measurement	Depth to Water from TOC	Groundwater Elevation
MW-6 (Deep)	6/27/04	37	37-42	42	729.28	728.82	3/2/95	13.93	714.89
	6/27/04	37	37-42	42	729.28	728.82	6/7/95	11.20	717.62
	6/27/04	37	37-42	42	729.28	728.82	10/18/95	13.55	715.27
	6/27/04	37	37-42	42	729.28	728.82	12/27/95	10.33	718.49
	6/27/04	37	37-42	42	729.28	728.82	3/14/96	7.91	720.91
	6/27/04	37	37-42	42	729.28	728.82	7/2/96	12.36	716.46
	6/27/04	37	37-42	42	729.28	728.82	9/17/96	12.61	716.21
	6/27/04	37	37-42	42	729.28	728.82	1/29/97	11.62	717.20
	6/27/04	37	37-42	42	729.28	728.82	5/13/97	9.24	719.58
	6/27/04	37	37-42	42	729.28	728.82	8/14/97	14.32	714.50
	6/27/04	37	37-42	42	729.28	728.82	11/24/97	14.87	713.95
	6/27/04	37	37-42	42	729.28	728.82	7/23/98	14.38	714.44
	6/27/04	37	37-42	42	729.28	728.82	8/24/04	13.55	715.27
	6/27/04	37	37-42	42	729.28	728.82	9/13/04	12.90	715.92
	6/27/04	37	37-42	42	729.28	728.82	2/28/05	12.39	716.43
	6/27/04	37	37-42	42	729.28	728.82	2/23/06	11.91	716.91
	6/27/04	37	37-42	42	729.28	728.82	8/24/06	14.95	713.87
	6/27/04	37	37-42	42	729.28	728.82	2/22/07	11.90	716.92
	6/27/04	37	37-42	42	729.28	728.82	9/7/07	16.27	712.55

**TABLE 1**  
**MONITORING WELL CONSTRUCTION SUMMARY AND GROUNDWATER ELEVATIONS**  
**NCDFR DISTRICT 12 HEADQUARTERS**  
**MOUNT HOLLY, NC**  
**F&R PROJECT NO. D66-130E**

Facility ID No: 0-021807

Incident No./Name: 20181/NC Forest Service-Hydraulic Lifts

Well ID	Date Installed	Casing Depth	Screened Interval (BGS)	Bottom of Well (BGS)	Surface-Manhole Elevation	TOC Elevation	Date of Water Level Measurement	Depth to Water from TOC	Groundwater Elevation
MW-7	-	37	37-42	42	729.11	728.77	6/7/95	14.20	714.57
(Deep)	-	37	37-42	42	729.11	728.77	10/18/95	13.86	714.91
	-	37	37-42	42	729.11	728.77	12/27/95	10.08	718.69
	-	37	37-42	42	729.11	728.77	3/14/96	7.28	721.49
	-	37	37-42	42	729.11	728.77	7/2/96	12.37	716.40
	-	37	37-42	42	729.11	728.77	9/17/96	12.69	716.08
	-	37	37-42	42	729.11	728.77	1/29/97	11.40	717.37
	-	37	37-42	42	729.11	728.77	5/13/97	8.85	719.92
	-	37	37-42	42	729.11	728.77	8/14/97	14.48	714.29
	-	37	37-42	42	729.11	728.77	11/24/97	15.18	713.59
	-	37	37-42	42	729.11	728.77	7/23/98	14.55	714.22
	-	37	37-42	42	729.11	728.77	3/16/99	14.84	713.93
	-	37	37-42	42	729.11	728.77	3/29/00	13.12	715.65
	-	37	37-42	42	729.11	728.77	8/24/04	15.02	713.75
	-	37	37-42	42	729.11	728.77	9/13/04	14.24	714.53
	-	37	37-42	42	729.11	728.77	2/28/05	12.42	716.35
	-	37	37-42	42	729.11	728.77	9/1/05	15.95	712.82
	-	37	37-42	42	729.11	728.77	2/23/06	12.33	716.44
	-	37	37-42	42	729.11	728.77	8/24/06	16.51	712.26
	-	37	37-42	42	729.11	728.77	2/22/07	11.97	716.80
	-	37	37-42	42	729.11	728.77	9/7/07	17.13	711.64
	-	37	37-42	42	729.11	728.77	2/25/09	13.70	715.07

**TABLE 1**  
**MONITORING WELL CONSTRUCTION SUMMARY AND GROUNDWATER ELEVATIONS**  
**NCDFR DISTRICT 12 HEADQUARTERS**  
**MOUNT HOLLY, NC**  
**F&R PROJECT NO. D66-130E**

Facility ID No: 0-021807

Incident No./Name: 20181/NC Forest Service-Hydraulic Lifts

Well ID	Date Installed	Casing Depth	Screened Interval (BGS)	Bottom of Well (BGS)	Surface-Manhole Elevation	TOC Elevation	Date of Water Level Measurement	Depth to Water from TOC	Groundwater Elevation
MW-8	11/25/96	15	15-25	25	729.93	729.51	1/29/97	14.64	714.87
	11/25/96	15	15-25	25	729.93	729.51	5/13/97	12.30	717.21
	11/25/96	15	15-25	25	729.93	729.51	8/14/97	16.76	712.75
	11/25/96	15	15-25	25	729.93	729.51	11/24/97	18.03	711.48
	11/25/96	15	15-25	25	729.93	729.51	7/23/98	16.73	712.78
	11/25/96	15	15-25	25	729.93	729.51	3/16/99	17.73	711.78
	11/25/96	15	15-25	25	729.93	729.51	8/4/99	20.23	709.28
	11/25/96	15	15-25	25	729.93	729.51	3/29/00	18.10	711.41
	11/25/96	15	15-25	25	729.93	729.51	8/16/00	20.89	708.62
	11/25/96	15	15-25	25	729.93	729.51	8/24/04	12.46	717.05
	11/25/96	15	15-25	25	729.93	729.51	9/13/04	16.96	712.55
	11/25/96	15	15-25	25	729.93	729.51	2/28/05	15.10	714.41
	11/25/96	15	15-25	25	729.93	729.51	9/1/05	18.24	711.27
	11/25/96	15	15-25	25	729.93	729.51	2/23/06	15.85	713.66
	11/25/96	15	15-25	25	729.93	729.51	8/24/06	19.23	710.28
	11/25/96	15	15-25	25	729.93	729.51	2/22/07	15.27	714.24
	11/25/96	15	15-25	25	729.93	729.51	9/7/07	19.44	710.07
	11/25/96	15	15-25	25	729.93	729.51	2/25/09	16.62	712.89
MW-10	9/5/02	10	10-35	35	729.96	729.58	8/16/00	14.24	715.34
	9/5/02	10	10-35	35	729.96	729.58	9/13/04	13.57	716.01
	9/5/02	10	10-35	35	729.96	729.58	2/28/05	13.09	716.49
	9/5/02	10	10-35	35	729.96	729.58	9/1/05	15.69	713.89
	9/5/02	10	10-35	35	729.96	729.58	2/23/06	12.76	716.82
	9/5/02	10	10-35	35	729.96	729.58	8/24/06	15.68	713.90
	9/5/02	10	10-35	35	729.96	729.58	2/22/07	12.60	716.98
	9/5/02	10	10-35	35	729.96	729.58	9/7/07	17.03	712.55
	9/5/02	10	10-35	35	729.96	729.58	6/3/08	15.38	714.20
	9/5/02	10	10-35	35	729.96	729.58	2/25/09	14.01	715.57

**TABLE 1**  
**MONITORING WELL CONSTRUCTION SUMMARY AND GROUNDWATER ELEVATIONS**  
**NCDFR DISTRICT 12 HEADQUARTERS**  
**MOUNT HOLLY, NC**  
**F&R PROJECT NO. D66-130E**

Facility ID No: 0-021807

Incident No./Name: 20181/NC Forest Service-Hydraulic Lifts

Well ID	Date Installed	Casing Depth	Screened Interval (BGS)	Bottom of Well (BGS)	Surface-Manhole Elevation	TOC Elevation	Date of Water Level Measurement	Depth to Water from TOC	Groundwater Elevation
MW-11	8/23/04	10	10-25	25	729.79	729.32	8/24/04	14.43	714.89
	8/23/04	10	10-25	25	729.79	729.32	9/13/04	13.80	715.52
	8/23/04	10	10-25	25	729.79	729.32	2/28/05	11.89	717.43
	8/23/04	10	10-25	25	729.79	729.32	9/1/05	16.48	712.84
	8/23/04	10	10-25	25	729.79	729.32	2/23/06	12.19	717.13
	8/23/04	10	10-25	25	729.79	729.32	8/24/06	12.19	717.13
	8/23/04	10	10-25	25	729.79	729.32	2/22/07	12.45	716.87
	8/23/04	10	10-25	25	729.79	729.32	9/7/07	17.68	711.64
	8/23/04	10	10-25	25	729.79	729.32	6/3/08	15.05	714.27
	8/23/04	10	10-25	25	729.79	729.32	2/25/09	13.64	715.68
MW-12	8/23/04	10	10-25	25	729.89	729.49	8/24/04	14.35	715.14
	8/23/04	10	10-25	25	729.89	729.49	9/13/04	13.22	716.27
	8/23/04	10	10-25	25	729.89	729.49	2/28/05	13.06	716.43
	8/23/04	10	10-25	25	729.89	729.49	9/1/05	15.89	713.60
	8/23/04	10	10-25	25	729.89	729.49	2/23/06	12.34	717.15
	8/23/04	10	10-25	25	729.89	729.49	8/24/06	15.80	713.69
	8/23/04	10	10-25	25	729.89	729.49	2/22/07	13.27	716.22
	8/23/04	10	10-25	25	729.89	729.49	9/7/07	17.36	712.13
	8/23/04	10	10-25	25	729.89	729.49	6/3/08	14.91	714.58
	8/23/04	10	10-25	25	729.89	729.49	2/25/09	14.17	715.32
MW-A1	7/22/97	2.5	2.5-17.5	17.5	730.07	729.85	8/24/04	13.74	716.11
	7/22/97	2.5	2.5-17.5	17.5	730.07	729.85	9/13/04	12.12	717.73
	7/22/97	2.5	2.5-17.5	17.5	730.07	729.85	2/28/05	13.31	716.54
	7/22/97	2.5	2.5-17.5	17.5	730.07	729.85	9/1/05	14.76	715.09
	7/22/97	2.5	2.5-17.5	17.5	730.07	729.85	2/23/06	12.12	717.73
	7/22/97	2.5	2.5-17.5	17.5	730.07	729.85	8/24/06	14.31	715.54
	7/22/97	2.5	2.5-17.5	17.5	730.07	729.85	2/22/07	12.49	717.36
	7/22/97	2.5	2.5-17.5	17.5	730.07	729.85	9/7/07	16.41	713.44
	7/22/97	2.5	2.5-17.5	17.5	730.07	729.85	6/3/08	14.05	715.80
	7/22/97	2.5	2.5-17.5	17.5	730.07	729.85	2/25/09	13.69	716.16

**TABLE 1**  
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**NCDFR DISTRICT 12 HEADQUARTERS**  
**MOUNT HOLLY, NC**  
**F&R PROJECT NO. D66-130E**

Facility ID No: 0-021807

Incident No./Name: 20181/NC Forest Service-Hydraulic Lifts

Well ID	Date Installed	Casing Depth	Screened Interval (BGS)	Bottom of Well (BGS)	Surface-Manhole Elevation	TOC Elevation	Date of Water Level Measurement	Depth to Water from TOC	Groundwater Elevation
MW-A3	7/30/97	10	10-25	25	730.20	729.65	8/24/04	19.75	709.90
	7/30/97	10	10-25	25	730.20	729.65	9/13/04	18.30	711.35
	7/30/97	10	10-25	25	730.20	729.65	2/28/05	17.94	711.71
	7/30/97	10	10-25	25	730.20	729.65	9/1/05	19.54	710.11
	7/30/97	10	10-25	25	730.20	729.65	2/23/06	18.23	711.42
	7/30/97	10	10-25	25	730.20	729.65	8/24/06	18.23	711.42
	7/30/97	10	10-25	25	730.20	729.65	2/22/07	19.36	710.29
	7/30/97	10	10-25	25	730.20	729.65	9/7/07	20.55	709.10
	7/30/97	10	10-25	25	730.20	729.65	6/3/08	14.91	714.74
	7/30/97	10	10-25	25	730.20	729.65	2/25/09	19.41	710.24

Notes:

All measurements in feet.

Measurements Referenced To Finished Floor of DFR Maintenance Shop with an elevation of 730 feet.

TOC denotes Top of Casing.

BGS denotes below ground surface.

NM Denotes not measured.

**TABLE 2**  
**SUMMARY OF MADEP EPH GROUNDWATER ANALYTICAL RESULTS**  
**NCDENR-DIVISION OF FOREST RESOURCES**  
**DISTRICT 12 HEADQUARTERS, GASTON COUNTY, NORTH CAROLINA**  
**F&R PROJECT NO. D66-130E**

Facility ID No: 0-021807  
 Incident No./Name: 20181/NC Forest Service-Hydraulic Lifts

Monitoring Well	Date Sampled	C9-C18 Aliphatics	C19-C36 Aliphatics	C9-C22 Aromatics
MW-A1	5/20/04	<100	<100	<100
	8/24/04	<100	<100	<100
	2/28/05	<100	<100	<100
	9/1/05	<100	<100	<100
	2/23/06	<100	<100	125
	8/24/06	<100	<100	<100
	2/22/07	<50	58	60
	9/7/07	NS	NS	NS
	6/3/08	<118	<118	<118
MW-A3	5/20/04	<100	<100	141
	8/24/04	<100	<100	<100
	2/28/05	<100	<100	<100
	9/1/05	<100	<100	<100
	2/23/06	<100	<100	<100
	8/24/06	<100	<100	<100
	2/22/07	<50	<30	<8
	9/7/07	<125	<125	<125
	6/3/08	<111	<111	<111
MW-2	8/24/04	<100	<100	<100
	2/28/05	<100	<100	<100
	9/1/05	<100	<100	<100
	2/23/06	120	<100	<100
	8/24/06	<100	<100	<100
	2/22/07	<50	<30	<8
	9/7/07	<111	<111	<111
	6/3/08	NS	NS	NS
MW-10	9/6/02	<100	<100	<100
	5/20/04	<100	<100	264
	8/24/04	<100	<100	<100
	2/28/05	<100	<100	<100
	9/1/05	<100	<100	<100
	2/23/06	<100	<100	110
	8/24/06	174	<100	<100
	2/22/07	<50	<30	80
	9/7/07	<112	<112	<112
	6/3/08	<118	<118	<118
NC 2L		4,200	42,000	210

**TABLE 2**  
**SUMMARY OF MADEP EPH GROUNDWATER ANALYTICAL RESULTS**  
**NCDENR-DIVISION OF FOREST RESOURCES**  
**DISTRICT 12 HEADQUARTERS, GASTON COUNTY, NORTH CAROLINA**  
**F&R PROJECT NO. D66-130E**

Facility ID No: 0-021807  
 Incident No./Name: 20181/NC Forest Service-Hydraulic Lifts

Monitoring Well	Date Sampled	C9-C18 Aliphatics	C19-C26 Aliphatics	C9-C22 Aromatics
MW-11	8/24/04	<100	<100	<100
	2/28/05	<100	<100	<100
	9/1/05	<100	<100	<100
	2/23/06	<100	<100	<100
	8/24/06	<100	<100	<100
	2/22/07	<50	<30	<8
	9/7/07	<125	<125	<125
MW-12	6/3/08	<118	<118	<118
	8/24/04	<100	<100	<100
	9/1/05	<100	<100	<100
	2/23/06	<100	<100	<100
	8/24/06	<100	<100	<100
	2/22/07	<50	<30	<8
	9/7/07	<118	<118	<118
WSW-2	6/3/08	<116	<116	<116
	8/24/04	<100	<100	<100
	2/28/05	<100	<100	<100
	9/1/05	<100	<100	<100
	2/23/06	<100	<100	<100
	8/24/06	<100	<100	<100
	2/22/07	<50	<30	<8
(Duplicate)	9/7/07	<100	<100	<100
	6/3/08	<111	<111	<111
	8/24/04	<100	<100	<100
	2/28/05	<100	<100	<100
	9/1/05	<100	<100	<100
	9/1/05	<100	<100	<100
	2/23/06	<100	<100	<100
WSW-4		<100	<100	<100
(Duplicate)		<100	<100	<100
NC 2L		4,200	42,000	210

**TABLE 2**  
**SUMMARY OF MADEP EPH GROUNDWATER ANALYTICAL RESULTS**  
**NCDENR-DIVISION OF FOREST RESOURCES**  
**DISTRICT 12 HEADQUARTERS, GASTON COUNTY, NORTH CAROLINA**  
**F&R PROJECT NO. D66-130E**

Facility ID No: 0-021807  
 Incident No./Name: 20181/NC Forest Service-Hydraulic Lifts

Monitoring Well	Date Sampled	C9-C18 Aliphatics	C19-C66 Aliphatics	C9-C22 Aromatics
WSW-5 (Duplicate)	5/20/04	<100	<100	<100
	5/20/04	<100	<100	<100
	8/24/04	<100	<100	<100
	2/28/05	<100	<100	<100
	2/23/06	<100	<100	<100
	8/24/06	<100	<100	<100
	2/22/07	<50	<30	<8
	9/7/07	<101	<101	<101
6/3/08		<111	<111	<111
NC 2L		4,200	42,000	210

NOTE:

Analytical results reported in ug/L.

NC 2L denotes NC 2L groundwater standard.

Concentrations exceeding NC 2L groundwater standards in bold

<100 denotes not detected above analytical detection limit of 100 ug/L

NS denotes Not Sampled

TABLE 3  
 SUMMARY OF WATER SUPPLY WELL ANALYTICAL RESULTS FOR METALS  
 NCDENR-DIVISION OF FOREST RESOURCES  
 DISTRICT 12 HEADQUARTERS, GASTON COUNTY, NORTH CAROLINA  
 F&R PROJECT NO. D66-130E

Facility ID No: 0-021807

Incident No./Name: 20181/NC Forest Service-Hydraulic Lifts

Water Supply Well	Date Sampled	Chromium	Copper	Lead	Manganese	Silver	Zinc	Mercury
WSW-2	2/25/2009	0.42J	278	6.2	11.8	ND	<b>849</b>	0.39
WSW-4	2/25/2009	0.64J	199	10.2	4.6J	ND	75.1	ND
WSW-5	2/25/2009	2.5J	93.1	ND	2.1J	0.11J	140	ND
EPA Drinking Water Standard (mg/L)		0.1	1.3	0	0.05	0.1	5	0.002
EPA Drinking Water Standard (ug/L)		100 ✓	1300 ✓	0	50	100	500	2

All analytical metal concentrations are expressed in ug/L

Concentrations show in BOLD exceed the EPA Drinking Water Standards

ND = Non Detect

15      200      17.5      1,050

2L      CALCULATED      2L      2L

HIGHLY  
BASISD  
CONCENTRATION

TABLE 4  
 SUMMARY OF MONITORING WELL ANALYTICAL RESULTS FOR METALS  
 NC DENR-DIVISION OF FOREST RESOURCES  
 DISTRICT 12 HEADQUARTERS, GASTON COUNTY, NORTH CAROLINA  
 F&R PROJECT NO. D66-130E

Facility ID No: 0-021807

Incident No./Name: 20181/NC Forest Service-Hydraulic Lifts

Monitoring Well	Date Sampled	Chromium	Copper	Lead	Manganese	Nickel	Zinc	Mercury
MWA-1	2/25/2009	1.4J	ND	ND	379	2.6J	9.7J	ND
MWA-3	2/25/2009	<b>56.2</b>	22.8	ND	<b>51.2</b>	18.4	16.3	ND
MW-7	2/25/2009	4.4J	ND	ND	<b>53.3</b>	ND	6.6J	ND
MW-10	2/25/2009	1.6J	ND	ND	<b>1030</b>	ND	6.0J	ND
MW-11	2/25/2009	4.3J	3.3J	ND	40.5	<del>10.2</del>	10.2	.10J
MW-12	2/25/2009	3.4J	3.4J	ND	43.3	2.0J	17	.089J
NCAC 2L Groundwater Standard (ug/L)		50	1000	15	50	100	1050	1.05

All analytical metal concentrations are expressed in ug/L

Concentrations show in BOLD exceed the EPA Drinking Water Standards

ND = Non Detect

NS = No Standard

→ 27 J

**TABLE 5**  
**SUMMARY OF WATER SUPPLY WELLS**  
**NCDENR-DIVISION OF FOREST RESOURCES**  
**DISTRICT 12 HEADQUARTERS, GASTON COUNTY, NORTH CAROLINA**  
**F&R PROJECT NO. D66-130E**

Facility ID No: 0-021807

Incident No./Name: 20181/NC Forest Service-Hydraulic Lifts

Well I.D.	Owner Name & Address	Property Identification No.	Well Location	Well Use	Approximate Distance from UST System (ft.)
WSW-1	Michael & Mary Cox P.O. Box 383, Mt. Holly, NC 28120	177751	511 Flat Rock Cemetery Rd.	Not in Use	350
WSW-2	Michael & Mary Cox P.O. Box 383, Mt. Holly, NC 28120	177751	511 Flat Rock Cemetery Rd.	Potable use	400
WSW-3	David & Joey Gibson P.O. Box 764, Mt. Holly, NC 28120	177750	512 Flat Rock Cemetery Rd.	Not used	420
WSW-4	Michael & Mary Cox P.O. Box 383, Mt. Holly, NC 28120	177752	517 Flat Rock Cemetery Rd.	Potable use	450
WSW-5	David L. Gibson P.O. Box 764, Mt. Holly, NC 28120	177753	516 Flat Rock Cemetery Rd.	Potable use	450
WSW-6	Thomas & Mary Martin 4218 Hickory Grove Rd., Mt. Holly, NC 28120	177749	2015 Mountain Island Hwy.	Potable use	600
WSW-7	Betty Blue Sifford Clark c/o Sifford Randolph, 621 Reeves Ct., Charlotte, NC 28208	177745	529 Flat Rock Cemetery Rd.	Potable use	650
WSW-8	Reta Rena S. Tidwell & Others c/o Betty Clark, 3511 Firestone Dr., Charlotte, NC 28216	177744	530 Flat Rock Cemetery Rd.	Other than drinking	650
WSW-9	Margaret A. Hank 2023 Mountain Island Hwy, Mt. Holly, NC 28120	177749	2023 Mountain Island Hwy.	Potable use	900

Property ownership information obtained from the Gaston County Geographical Information System (GIS) on 12/9/03.

Water well survey was performed on 3/17/99 for DFR groundwater incident 11184.

Distances from source area are estimates and were based on U.S.G.S. Mountain Island Lake 7.5 minute quadrangle map.

## **LABORATORY RESULTS**



Pace Analytical Services, Inc.  
2225 Riverside Dr.  
Asheville, NC 28804  
(828)254-7176

Pace Analytical Services, Inc.  
9800 Kincey Ave. Suite 100  
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(704)875-9092

March 13, 2009

Mr. Michael Sabodish  
Froehling & Robertson  
310 Hubert St.  
Raleigh, NC 27603

RE: Project: NC DFR-MT HOLLY  
Pace Project No.: 9238788

Dear Mr. Sabodish:

Enclosed are the analytical results for sample(s) received by the laboratory on February 25, 2009. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Huntersville laboratory unless otherwise footnoted. All Microbiological analyses were performed at the laboratory where the samples were received.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Bonnie McKee".

Bonnie McKee

bonnie.mckee@pacelabs.com  
Project Manager

Enclosures

#### REPORT OF LABORATORY ANALYSIS

Page 1 of 54

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## CERTIFICATIONS

Project: NC DFR-MT HOLLY  
Pace Project No.: 9238788

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### Charlotte Certification IDs

West Virginia Certification #: 357  
Virginia Certification #: 00213  
Tennessee Certification #: 04010  
South Carolina Drinking Water Cert. #: 990060003  
South Carolina Certification #: 990060001  
Pennsylvania Certification #: 68-00784  
Connecticut Certification #: PH-0104

North Carolina Field Services Certification #: 5342  
North Carolina Drinking Water Certification #: 37706  
New Jersey Certification #: NC012  
Louisiana/LELAP Certification #: 04034  
Kentucky UST Certification #: 84  
Florida/NELAP Certification #: E87627  
North Carolina Wastewater Certification #: 12

### Asheville Certification IDs

West Virginia Certification #: 356  
Virginia Certification #: 00072  
Connecticut Certification #: PH-0106  
Florida/NELAP Certification #: E87648  
Tennessee Certification #: 2980  
South Carolina Certification #: 99030001  
South Carolina Bioassay Certification #: 99030002

Pennsylvania Certification #: 68-03578  
North Carolina Wastewater Certification #: 40  
North Carolina Drinking Water Certification #: 37712  
North Carolina Bioassay Certification #: 9  
New Jersey Certification #: NC011  
Massachusetts Certification #: M-NC030  
Louisiana/LELAP Certification #: 03095

### Eden Certification IDs

North Carolina Wastewater Certification #: 633  
Virginia Drinking Water Certification #: 00424

North Carolina Drinking Water Certification #: 37738

## REPORT OF LABORATORY ANALYSIS

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(704)875-9092

## SAMPLE SUMMARY

Project: NC DFR-MT HOLLY  
Pace Project No.: 9238788

Lab ID	Sample ID	Matrix	Date Collected	Date Received
9238788001	MW-A1	Water	02/25/09 14:35	02/25/09 17:45
9238788002	MW-A3	Water	02/25/09 10:55	02/25/09 17:45
9238788003	MW-7	Water	02/25/09 15:00	02/25/09 17:45
9238788004	MW-10	Water	02/25/09 14:00	02/25/09 17:45
9238788005	MW-11	Water	02/25/09 13:25	02/25/09 17:45
9238788006	MW-12	Water	02/25/09 11:25	02/25/09 17:45
9238788007	WSW-2	Water	02/25/09 15:45	02/25/09 17:45
9238788008	WSW-4	Water	02/25/09 15:35	02/25/09 17:45
9238788009	WSW-5	Water	02/25/09 16:10	02/25/09 17:45

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: NC DFR-MT HOLLY  
 Pace Project No.: 9238788

Lab ID	Sample ID	Method	Analysts	Analytes Reported
9238788001	MW-A1	EPA 245.1	EWS	1
		EPA 6010	SHB	13
		EPA 8260	AW	63
		EPA 8270	BET	75
9238788002	MW-A3	EPA 245.1	EWS	1
		EPA 6010	SHB	13
		EPA 8260	AW	63
		EPA 8270	BET	75
9238788003	MW-7	EPA 245.1	EWS	1
		EPA 6010	SHB	13
		EPA 8260	AW	63
		EPA 8270	BET	75
9238788004	MW-10	EPA 245.1	EWS	1
		EPA 6010	SHB	13
		EPA 8260	AW	63
		EPA 8270	BET	75
9238788005	MW-11	EPA 245.1	EWS	1
		EPA 6010	SHB	13
		EPA 8260	AW	63
		EPA 8270	BET	75
9238788006	MW-12	EPA 245.1	EWS	1
		EPA 6010	SHB	13
		EPA 8260	AW	63
		EPA 8270	BET	75
9238788007	WSW-2	EPA 245.1	EWS	1
		EPA 6010	SHB	13
		EPA 8260	AW	63
		EPA 8270	BET	75
9238788008	WSW-4	EPA 245.1	EWS	1
		EPA 6010	SHB	13
		EPA 8260	AW	63
		EPA 8270	BET	75
9238788009	WSW-5	EPA 245.1	EWS	1
		EPA 6010	SHB	13
		EPA 8260	AW	63
		EPA 8270	BET	75

### REPORT OF LABORATORY ANALYSIS

Page 4 of 54

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY  
Pace Project No.: 9238788

Sample: MW-A1 Lab ID: 9238788001 Collected: 02/25/09 14:35 Received: 02/25/09 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND ug/L		5.0	2.6	1	03/02/09 14:45	03/06/09 01:07	7440-36-0	
Arsenic	ND ug/L		5.0	2.7	1	03/02/09 14:45	03/06/09 01:07	7440-38-2	
Beryllium	ND ug/L		1.0	0.10	1	03/02/09 14:45	03/06/09 01:07	7440-41-7	
Cadmium	ND ug/L		1.0	0.50	1	03/02/09 14:45	03/06/09 01:07	7440-43-9	
Chromium	1.4J ug/L		5.0	0.40	1	03/02/09 14:45	03/06/09 01:07	7440-47-3	
Copper	ND ug/L		5.0	0.30	1	03/02/09 14:45	03/06/09 01:07	7440-50-8	
Lead	ND ug/L		5.0	4.0	1	03/02/09 14:45	03/06/09 01:07	7439-92-1	
Manganese	379 ug/L		5.0	0.30	1	03/02/09 14:45	03/06/09 01:07	7439-96-5	
Nickel	2.6J ug/L		5.0	1.7	1	03/02/09 14:45	03/06/09 01:07	7440-02-0	
Selenium	ND ug/L		10.0	3.8	1	03/02/09 14:45	03/06/09 01:07	7782-49-2	
Silver	ND ug/L		5.0	0.10	1	03/02/09 14:45	03/06/09 01:07	7440-22-4	
Thallium	ND ug/L		10.0	3.0	1	03/02/09 14:45	03/06/09 01:07	7440-28-0	
Zinc	9.7J ug/L		10.0	0.40	1	03/02/09 14:45	03/06/09 01:07	7440-66-6	Z2
<b>245.1 Mercury</b>	Analytical Method: EPA 245.1 Preparation Method: EPA 245.1								
Mercury	ND ug/L		0.20	0.070	1	02/26/09 15:50	02/27/09 14:35	7439-97-6	
<b>8270 MSSV Semivolatile Organic</b>	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	ND ug/L		11.4	3.2	1	03/03/09 11:30	03/11/09 17:57	83-32-9	
Acenaphthylene	ND ug/L		11.4	3.2	1	03/03/09 11:30	03/11/09 17:57	208-96-8	
Aniline	ND ug/L		11.4	5.8	1	03/03/09 11:30	03/11/09 17:57	62-53-3	
Anthracene	ND ug/L		11.4	3.3	1	03/03/09 11:30	03/11/09 17:57	120-12-7	
Benzo(a)anthracene	ND ug/L		11.4	3.2	1	03/03/09 11:30	03/11/09 17:57	56-55-3	
Benzo(a)pyrene	ND ug/L		11.4	3.5	1	03/03/09 11:30	03/11/09 17:57	50-32-8	
Benzo(b)fluoranthene	ND ug/L		11.4	4.1	1	03/03/09 11:30	03/11/09 17:57	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		11.4	3.5	1	03/03/09 11:30	03/11/09 17:57	191-24-2	
Benzo(k)fluoranthene	ND ug/L		11.4	3.4	1	03/03/09 11:30	03/11/09 17:57	207-08-9	
Benzoic Acid	ND ug/L		56.8	56.8	1	03/03/09 11:30	03/11/09 17:57	65-85-0	
Benzyl alcohol	ND ug/L		22.7	4.1	1	03/03/09 11:30	03/11/09 17:57	100-51-6	
4-Bromophenylphenyl ether	ND ug/L		11.4	2.7	1	03/03/09 11:30	03/11/09 17:57	101-55-3	
Butylbenzylphthalate	ND ug/L		11.4	3.3	1	03/03/09 11:30	03/11/09 17:57	85-68-7	
4-Chloro-3-methylphenol	ND ug/L		22.7	3.2	1	03/03/09 11:30	03/11/09 17:57	59-50-7	
4-Chloroaniline	ND ug/L		56.8	6.0	1	03/03/09 11:30	03/11/09 17:57	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/L		11.4	6.6	1	03/03/09 11:30	03/11/09 17:57	111-91-1	
bis(2-Chloroethyl) ether	ND ug/L		11.4	5.5	1	03/03/09 11:30	03/11/09 17:57	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/L		11.4	4.5	1	03/03/09 11:30	03/11/09 17:57	108-60-1	
2-Chloronaphthalene	ND ug/L		11.4	4.1	1	03/03/09 11:30	03/11/09 17:57	91-58-7	
2-Chlorophenol	ND ug/L		11.4	5.0	1	03/03/09 11:30	03/11/09 17:57	95-57-8	
4-Chlorophenylphenyl ether	ND ug/L		11.4	3.1	1	03/03/09 11:30	03/11/09 17:57	7005-72-3	
Chrysene	ND ug/L		11.4	3.1	1	03/03/09 11:30	03/11/09 17:57	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		11.4	3.3	1	03/03/09 11:30	03/11/09 17:57	53-70-3	
Dibenzofuran	ND ug/L		11.4	3.0	1	03/03/09 11:30	03/11/09 17:57	132-64-9	
1,2-Dichlorobenzene	ND ug/L		11.4	3.9	1	03/03/09 11:30	03/11/09 17:57	95-50-1	
1,3-Dichlorobenzene	ND ug/L		11.4	3.8	1	03/03/09 11:30	03/11/09 17:57	541-73-1	
1,4-Dichlorobenzene	ND ug/L		11.4	4.1	1	03/03/09 11:30	03/11/09 17:57	106-46-7	
3,3'-Dichlorobenzidine	ND ug/L		56.8	3.9	1	03/03/09 11:30	03/11/09 17:57	91-94-1	

Date: 03/13/2009 02:39 PM

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY  
 Pace Project No.: 9238788

Sample: MW-A1      Lab ID: 9238788001      Collected: 02/25/09 14:35      Received: 02/25/09 17:45      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatile Organic</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
2,4-Dichlorophenol	ND ug/L		11.4	6.6	1	03/03/09 11:30	03/11/09 17:57	120-83-2	
Diethylphthalate	ND ug/L		11.4	2.7	1	03/03/09 11:30	03/11/09 17:57	84-66-2	
2,4-Dimethylphenol	ND ug/L		11.4	6.4	1	03/03/09 11:30	03/11/09 17:57	105-67-9	
Dimethylphthalate	ND ug/L		11.4	2.7	1	03/03/09 11:30	03/11/09 17:57	131-11-3	
Di-n-butylphthalate	ND ug/L		11.4	3.3	1	03/03/09 11:30	03/11/09 17:57	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/L		22.7	8.9	1	03/03/09 11:30	03/11/09 17:57	534-52-1	
2,4-Dinitrophenol	ND ug/L		56.8	11.4	1	03/03/09 11:30	03/11/09 17:57	51-28-5	
2,4-Dinitrotoluene	ND ug/L		11.4	3.0	1	03/03/09 11:30	03/11/09 17:57	121-14-2	
2,6-Dinitrotoluene	ND ug/L		11.4	3.2	1	03/03/09 11:30	03/11/09 17:57	606-20-2	
Di-n-octylphthalate	ND ug/L		11.4	3.3	1	03/03/09 11:30	03/11/09 17:57	117-84-0	
1,2-Diphenylhydrazine	ND ug/L		11.4	2.5	1	03/03/09 11:30	03/11/09 17:57	122-66-7	
bis(2-Ethylhexyl)phthalate	ND ug/L		11.4	2.4	1	03/03/09 11:30	03/11/09 17:57	117-81-7	
Fluoranthene	ND ug/L		11.4	3.3	1	03/03/09 11:30	03/11/09 17:57	206-44-0	
Fluorene	ND ug/L		11.4	3.0	1	03/03/09 11:30	03/11/09 17:57	86-73-7	
Hexachloro-1,3-butadiene	ND ug/L		11.4	3.8	1	03/03/09 11:30	03/11/09 17:57	87-68-3	
Hexachlorobenzene	ND ug/L		11.4	3.0	1	03/03/09 11:30	03/11/09 17:57	118-74-1	
Hexachlorocyclopentadiene	ND ug/L		11.4	4.2	1	03/03/09 11:30	03/11/09 17:57	77-47-4	
Hexachloroethane	ND ug/L		11.4	3.8	1	03/03/09 11:30	03/11/09 17:57	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/L		11.4	3.4	1	03/03/09 11:30	03/11/09 17:57	193-39-5	
Isophorone	ND ug/L		11.4	7.4	1	03/03/09 11:30	03/11/09 17:57	78-59-1	
1-Methylnaphthalene	ND ug/L		11.4	4.1	1	03/03/09 11:30	03/11/09 17:57	90-12-0	
2-Methylnaphthalene	ND ug/L		11.4	3.9	1	03/03/09 11:30	03/11/09 17:57	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/L		11.4	4.2	1	03/03/09 11:30	03/11/09 17:57	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/L		11.4	3.4	1	03/03/09 11:30	03/11/09 17:57		
Naphthalene	ND ug/L		11.4	4.3	1	03/03/09 11:30	03/11/09 17:57	91-20-3	
2-Nitroaniline	ND ug/L		56.8	3.1	1	03/03/09 11:30	03/11/09 17:57	88-74-4	
3-Nitroaniline	ND ug/L		56.8	3.4	1	03/03/09 11:30	03/11/09 17:57	99-09-2	
4-Nitroaniline	ND ug/L		56.8	4.5	1	03/03/09 11:30	03/11/09 17:57	100-01-6	
Nitrobenzene	ND ug/L		11.4	5.0	1	03/03/09 11:30	03/11/09 17:57	98-95-3	
2-Nitrophenol	ND ug/L		11.4	5.2	1	03/03/09 11:30	03/11/09 17:57	88-75-5	
4-Nitrophenol	ND ug/L		56.8	2.0	1	03/03/09 11:30	03/11/09 17:57	100-02-7	
N-Nitrosodimethylamine	ND ug/L		11.4	3.5	1	03/03/09 11:30	03/11/09 17:57	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/L		11.4	4.2	1	03/03/09 11:30	03/11/09 17:57	621-64-7	
N-Nitrosodiphenylamine	ND ug/L		11.4	7.5	1	03/03/09 11:30	03/11/09 17:57	86-30-6	
Pentachlorophenol	ND ug/L		56.8	1.8	1	03/03/09 11:30	03/11/09 17:57	87-86-5	
Phenanthrene	ND ug/L		11.4	3.1	1	03/03/09 11:30	03/11/09 17:57	85-01-8	
Phenol	ND ug/L		11.4	2.0	1	03/03/09 11:30	03/11/09 17:57	108-95-2	
Pyrene	ND ug/L		11.4	3.3	1	03/03/09 11:30	03/11/09 17:57	129-00-0	
1,2,4-Trichlorobenzene	ND ug/L		11.4	3.9	1	03/03/09 11:30	03/11/09 17:57	120-82-1	
2,4,5-Trichlorophenol	ND ug/L		11.4	6.4	1	03/03/09 11:30	03/11/09 17:57	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		11.4	6.9	1	03/03/09 11:30	03/11/09 17:57	88-06-2	
Nitrobenzene-d5 (S)	79 %		30-150		1	03/03/09 11:30	03/11/09 17:57	4165-60-0	
2-Fluorobiphenyl (S)	71 %		30-150		1	03/03/09 11:30	03/11/09 17:57	321-60-8	
Terphenyl-d14 (S)	82 %		30-150		1	03/03/09 11:30	03/11/09 17:57	1718-51-0	
Phenol-d6 (S)	32 %		25-150		1	03/03/09 11:30	03/11/09 17:57	13127-88-3	
2-Fluorophenol (S)	44 %		25-150		1	03/03/09 11:30	03/11/09 17:57	367-12-4	

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY

Pace Project No.: 9238788

Sample: MW-A1 Lab ID: 9238788001 Collected: 02/25/09 14:35 Received: 02/25/09 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
2,4,6-Tribromophenol (S)	87 %		25-150		1	03/03/09 11:30	03/11/09 17:57	118-79-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND ug/L		25.0	2.2	1		03/09/09 15:14	67-64-1	
Benzene	ND ug/L		1.0	0.25	1		03/09/09 15:14	71-43-2	
Bromobenzene	ND ug/L		1.0	0.30	1		03/09/09 15:14	108-86-1	
Bromochloromethane	ND ug/L		1.0	0.17	1		03/09/09 15:14	74-97-5	
Bromodichloromethane	ND ug/L		1.0	0.18	1		03/09/09 15:14	75-27-4	
Bromoform	ND ug/L		1.0	0.26	1		03/09/09 15:14	75-25-2	
Bromomethane	ND ug/L		5.0	0.29	1		03/09/09 15:14	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	0.96	1		03/09/09 15:14	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	0.25	1		03/09/09 15:14	56-23-5	
Chlorobenzene	ND ug/L		1.0	0.23	1		03/09/09 15:14	108-90-7	
Chloroethane	ND ug/L		1.0	0.54	1		03/09/09 15:14	75-00-3	
Chloroform	ND ug/L		1.0	0.14	1		03/09/09 15:14	67-66-3	
Chloromethane	ND ug/L		1.0	0.11	1		03/09/09 15:14	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	0.35	1		03/09/09 15:14	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	0.31	1		03/09/09 15:14	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		3.0	2.5	1		03/09/09 15:14	96-12-8	
Dibromochloromethane	ND ug/L		1.0	0.21	1		03/09/09 15:14	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	0.27	1		03/09/09 15:14	106-93-4	
Dibromomethane	ND ug/L		1.0	0.21	1		03/09/09 15:14	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	0.30	1		03/09/09 15:14	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	0.24	1		03/09/09 15:14	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	0.33	1		03/09/09 15:14	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	0.21	1		03/09/09 15:14	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	0.32	1		03/09/09 15:14	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	0.12	1		03/09/09 15:14	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	0.56	1		03/09/09 15:14	75-35-4	
cis-1,2-Dichloroethene	0.74J ug/L		1.0	0.19	1		03/09/09 15:14	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	0.49	1		03/09/09 15:14	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	0.27	1		03/09/09 15:14	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	0.28	1		03/09/09 15:14	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	0.13	1		03/09/09 15:14	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	0.49	1		03/09/09 15:14	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	0.13	1		03/09/09 15:14	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	0.26	1		03/09/09 15:14	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	0.12	1		03/09/09 15:14	108-20-3	
Ethylbenzene	ND ug/L		1.0	0.30	1		03/09/09 15:14	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	0.71	1		03/09/09 15:14	87-68-3	
2-Hexanone	ND ug/L		5.0	0.46	1		03/09/09 15:14	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	0.31	1		03/09/09 15:14	99-87-6	
Methylene Chloride	ND ug/L		2.0	0.97	1		03/09/09 15:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	0.33	1		03/09/09 15:14	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	0.21	1		03/09/09 15:14	1634-04-4	
Naphthalene	ND ug/L		1.0	0.24	1		03/09/09 15:14	91-20-3	

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY  
Pace Project No.: 9238788

Sample: MW-A1 Lab ID: 9238788001 Collected: 02/25/09 14:35 Received: 02/25/09 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260							
Styrene	ND ug/L		1.0	0.26	1		03/09/09 15:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	0.33	1		03/09/09 15:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	0.40	1		03/09/09 15:14	79-34-5	
Tetrachloroethene	1.2 ug/L		1.0	0.46	1		03/09/09 15:14	127-18-4	
Toluene	ND ug/L		1.0	0.26	1		03/09/09 15:14	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	0.33	1		03/09/09 15:14	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	0.35	1		03/09/09 15:14	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	0.48	1		03/09/09 15:14	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	0.29	1		03/09/09 15:14	79-00-5	
Trichloroethene	ND ug/L		1.0	0.47	1		03/09/09 15:14	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	0.20	1		03/09/09 15:14	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	0.41	1		03/09/09 15:14	96-18-4	
Vinyl acetate	ND ug/L		2.0	0.35	1		03/09/09 15:14	108-05-4	
Vinyl chloride	ND ug/L		1.0	0.62	1		03/09/09 15:14	75-01-4	
m&p-Xylene	ND ug/L		2.0	0.66	1		03/09/09 15:14	1330-20-7	
o-Xylene	ND ug/L		1.0	0.23	1		03/09/09 15:14	95-47-6	
4-Bromofluorobenzene (S)	98 %		87-109		1		03/09/09 15:14	460-00-4	
Dibromofluoromethane (S)	108 %		85-115		1		03/09/09 15:14	1868-53-7	
1,2-Dichloroethane-d4 (S)	111 %		79-120		1		03/09/09 15:14	17060-07-0	
Toluene-d8 (S)	101 %		70-120		1		03/09/09 15:14	2037-26-5	

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## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY

Pace Project No.: 9238788

Sample: MW-A3 Lab ID: 9238788002 Collected: 02/25/09 10:55 Received: 02/25/09 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	2.7	ug/L	5.0	2.6	1	03/02/09 14:45	03/06/09 01:10	7440-36-0	
Arsenic	ND	ug/L	5.0	2.7	1	03/02/09 14:45	03/06/09 01:10	7440-38-2	
Beryllium	ND	ug/L	1.0	0.10	1	03/02/09 14:45	03/06/09 01:10	7440-41-7	
Cadmium	ND	ug/L	1.0	0.50	1	03/02/09 14:45	03/06/09 01:10	7440-43-9	
Chromium	56.2	ug/L	5.0	0.40	1	03/02/09 14:45	03/06/09 01:10	7440-47-3	
Copper	22.8	ug/L	5.0	0.30	1	03/02/09 14:45	03/06/09 01:10	7440-50-8	
Lead	ND	ug/L	5.0	4.0	1	03/02/09 14:45	03/06/09 01:10	7439-92-1	
Manganese	51.2	ug/L	5.0	0.30	1	03/02/09 14:45	03/06/09 01:10	7439-96-5	
Nickel	18.4	ug/L	5.0	1.7	1	03/02/09 14:45	03/06/09 01:10	7440-02-0	
Selenium	ND	ug/L	10.0	3.8	1	03/02/09 14:45	03/06/09 01:10	7782-49-2	
Silver	ND	ug/L	5.0	0.10	1	03/02/09 14:45	03/06/09 01:10	7440-22-4	
Thallium	ND	ug/L	10.0	3.0	1	03/02/09 14:45	03/06/09 01:10	7440-28-0	
Zinc	16.3	ug/L	10.0	0.40	1	03/02/09 14:45	03/06/09 01:10	7440-66-6	Z2
<b>245.1 Mercury</b>		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND	ug/L	0.20	0.070	1	02/26/09 15:50	02/27/09 14:38	7439-97-6	
<b>8270 MSSV Semivolatile Organic</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND	ug/L	13.9	3.9	1	03/03/09 11:30	03/11/09 18:19	83-32-9	
Acenaphthylene	ND	ug/L	13.9	3.9	1	03/03/09 11:30	03/11/09 18:19	208-96-8	
Aniline	ND	ug/L	13.9	7.1	1	03/03/09 11:30	03/11/09 18:19	62-53-3	
Anthracene	ND	ug/L	13.9	4.0	1	03/03/09 11:30	03/11/09 18:19	120-12-7	
Benzo(a)anthracene	ND	ug/L	13.9	3.9	1	03/03/09 11:30	03/11/09 18:19	56-55-3	
Benzo(a)pyrene	ND	ug/L	13.9	4.3	1	03/03/09 11:30	03/11/09 18:19	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	13.9	5.0	1	03/03/09 11:30	03/11/09 18:19	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	13.9	4.3	1	03/03/09 11:30	03/11/09 18:19	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	13.9	4.2	1	03/03/09 11:30	03/11/09 18:19	207-08-9	
Benzoic Acid	ND	ug/L	69.4	69.4	1	03/03/09 11:30	03/11/09 18:19	65-85-0	
Benzyl alcohol	ND	ug/L	27.8	5.0	1	03/03/09 11:30	03/11/09 18:19	100-51-6	
4-Bromophenylphenyl ether	ND	ug/L	13.9	3.3	1	03/03/09 11:30	03/11/09 18:19	101-55-3	
Butylbenzylphthalate	ND	ug/L	13.9	4.0	1	03/03/09 11:30	03/11/09 18:19	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	27.8	3.9	1	03/03/09 11:30	03/11/09 18:19	59-50-7	
4-Chloroaniline	ND	ug/L	69.4	7.4	1	03/03/09 11:30	03/11/09 18:19	106-47-8	
bis(2-Chloroethoxy)methane	ND	ug/L	13.9	8.1	1	03/03/09 11:30	03/11/09 18:19	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	13.9	6.7	1	03/03/09 11:30	03/11/09 18:19	111-44-4	
bis(2-Chloroisopropyl) ether	ND	ug/L	13.9	5.6	1	03/03/09 11:30	03/11/09 18:19	108-60-1	
2-Chloronaphthalene	ND	ug/L	13.9	5.0	1	03/03/09 11:30	03/11/09 18:19	91-58-7	
2-Chlorophenol	ND	ug/L	13.9	6.1	1	03/03/09 11:30	03/11/09 18:19	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	13.9	3.8	1	03/03/09 11:30	03/11/09 18:19	7005-72-3	
Chrysene	ND	ug/L	13.9	3.8	1	03/03/09 11:30	03/11/09 18:19	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	13.9	4.0	1	03/03/09 11:30	03/11/09 18:19	53-70-3	
Dibenzofuran	ND	ug/L	13.9	3.6	1	03/03/09 11:30	03/11/09 18:19	132-64-9	
1,2-Dichlorobenzene	ND	ug/L	13.9	4.7	1	03/03/09 11:30	03/11/09 18:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	13.9	4.6	1	03/03/09 11:30	03/11/09 18:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	13.9	5.0	1	03/03/09 11:30	03/11/09 18:19	106-46-7	
3,3'-Dichlorobenzidine	ND	ug/L	69.4	4.7	1	03/03/09 11:30	03/11/09 18:19	91-94-1	

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY

Pace Project No.: 9238788

Sample: MW-A3 Lab ID: 9238788002 Collected: 02/25/09 10:55 Received: 02/25/09 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatile Organic</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
2,4-Dichlorophenol	ND ug/L		13.9	8.1	1	03/03/09 11:30	03/11/09 18:19	120-83-2	
Diethylphthalate	ND ug/L		13.9	3.3	1	03/03/09 11:30	03/11/09 18:19	84-66-2	
2,4-Dimethylphenol	ND ug/L		13.9	7.8	1	03/03/09 11:30	03/11/09 18:19	105-67-9	
Dimethylphthalate	ND ug/L		13.9	3.3	1	03/03/09 11:30	03/11/09 18:19	131-11-3	
Di-n-butylphthalate	ND ug/L		13.9	4.0	1	03/03/09 11:30	03/11/09 18:19	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/L		27.8	10.8	1	03/03/09 11:30	03/11/09 18:19	534-52-1	
2,4-Dinitrophenol	ND ug/L		69.4	13.9	1	03/03/09 11:30	03/11/09 18:19	51-28-5	
2,4-Dinitrotoluene	ND ug/L		13.9	3.6	1	03/03/09 11:30	03/11/09 18:19	121-14-2	
2,6-Dinitrotoluene	ND ug/L		13.9	3.9	1	03/03/09 11:30	03/11/09 18:19	606-20-2	
Di-n-octylphthalate	ND ug/L		13.9	4.0	1	03/03/09 11:30	03/11/09 18:19	117-84-0	
1,2-Diphenylhydrazine	ND ug/L		13.9	3.1	1	03/03/09 11:30	03/11/09 18:19	122-66-7	
bis(2-Ethylhexyl)phthalate	ND ug/L		13.9	2.9	1	03/03/09 11:30	03/11/09 18:19	117-81-7	
Fluoranthene	ND ug/L		13.9	4.0	1	03/03/09 11:30	03/11/09 18:19	206-44-0	
Fluorene	ND ug/L		13.9	3.6	1	03/03/09 11:30	03/11/09 18:19	86-73-7	
Hexachloro-1,3-butadiene	ND ug/L		13.9	4.6	1	03/03/09 11:30	03/11/09 18:19	87-68-3	
Hexachlorobenzene	ND ug/L		13.9	3.6	1	03/03/09 11:30	03/11/09 18:19	118-74-1	
Hexachlorocyclopentadiene	ND ug/L		13.9	5.1	1	03/03/09 11:30	03/11/09 18:19	77-47-4	
Hexachloroethane	ND ug/L		13.9	4.6	1	03/03/09 11:30	03/11/09 18:19	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/L		13.9	4.2	1	03/03/09 11:30	03/11/09 18:19	193-39-5	
Isophorone	ND ug/L		13.9	9.0	1	03/03/09 11:30	03/11/09 18:19	78-59-1	
1-Methylnaphthalene	ND ug/L		13.9	5.0	1	03/03/09 11:30	03/11/09 18:19	90-12-0	
2-Methylnaphthalene	ND ug/L		13.9	4.7	1	03/03/09 11:30	03/11/09 18:19	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/L		13.9	5.1	1	03/03/09 11:30	03/11/09 18:19	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/L		13.9	4.2	1	03/03/09 11:30	03/11/09 18:19		
Naphthalene	ND ug/L		13.9	5.3	1	03/03/09 11:30	03/11/09 18:19	91-20-3	
2-Nitroaniline	ND ug/L		69.4	3.8	1	03/03/09 11:30	03/11/09 18:19	88-74-4	
3-Nitroaniline	ND ug/L		69.4	4.2	1	03/03/09 11:30	03/11/09 18:19	99-09-2	
4-Nitroaniline	ND ug/L		69.4	5.6	1	03/03/09 11:30	03/11/09 18:19	100-01-6	
Nitrobenzene	ND ug/L		13.9	6.1	1	03/03/09 11:30	03/11/09 18:19	98-95-3	
2-Nitrophenol	ND ug/L		13.9	6.4	1	03/03/09 11:30	03/11/09 18:19	88-75-5	
4-Nitrophenol	ND ug/L		69.4	2.5	1	03/03/09 11:30	03/11/09 18:19	100-02-7	
N-Nitrosodimethylamine	ND ug/L		13.9	4.3	1	03/03/09 11:30	03/11/09 18:19	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/L		13.9	5.1	1	03/03/09 11:30	03/11/09 18:19	621-64-7	
N-Nitrosodiphenylamine	ND ug/L		13.9	9.2	1	03/03/09 11:30	03/11/09 18:19	86-30-6	
Pentachlorophenol	ND ug/L		69.4	2.2	1	03/03/09 11:30	03/11/09 18:19	87-86-5	
Phenanthrene	ND ug/L		13.9	3.8	1	03/03/09 11:30	03/11/09 18:19	85-01-8	
Phenol	ND ug/L		13.9	2.5	1	03/03/09 11:30	03/11/09 18:19	108-95-2	
Pyrene	ND ug/L		13.9	4.0	1	03/03/09 11:30	03/11/09 18:19	129-00-0	
1,2,4-Trichlorobenzene	ND ug/L		13.9	4.7	1	03/03/09 11:30	03/11/09 18:19	120-82-1	
2,4,5-Trichlorophenol	ND ug/L		13.9	7.8	1	03/03/09 11:30	03/11/09 18:19	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		13.9	8.5	1	03/03/09 11:30	03/11/09 18:19	88-06-2	
Nitrobenzene-d5 (S)	49 %	30-150		1	03/03/09 11:30	03/11/09 18:19	4165-60-0		
2-Fluorobiphenyl (S)	41 %	30-150		1	03/03/09 11:30	03/11/09 18:19	321-60-8		
Terphenyl-d14 (S)	57 %	30-150		1	03/03/09 11:30	03/11/09 18:19	1718-51-0		
Phenol-d6 (S)	22 %	25-150		1	03/03/09 11:30	03/11/09 18:19	13127-88-3	1g	
2-Fluorophenol (S)	28 %	25-150		1	03/03/09 11:30	03/11/09 18:19	367-12-4		

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY  
Pace Project No.: 9238788

Sample: MW-A3 Lab ID: 9238788002 Collected: 02/25/09 10:55 Received: 02/25/09 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
2,4,6-Tribromophenol (S)	47 %		25-150		1	03/03/09 11:30	03/11/09 18:19	118-79-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND ug/L		25.0	2.2	1		03/09/09 15:37	67-64-1	
Benzene	ND ug/L		1.0	0.25	1		03/09/09 15:37	71-43-2	
Bromobenzene	ND ug/L		1.0	0.30	1		03/09/09 15:37	108-86-1	
Bromochloromethane	ND ug/L		1.0	0.17	1		03/09/09 15:37	74-97-5	
Bromodichloromethane	ND ug/L		1.0	0.18	1		03/09/09 15:37	75-27-4	
Bromoform	ND ug/L		1.0	0.26	1		03/09/09 15:37	75-25-2	
Bromomethane	ND ug/L		5.0	0.29	1		03/09/09 15:37	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	0.96	1		03/09/09 15:37	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	0.25	1		03/09/09 15:37	56-23-5	
Chlorobenzene	ND ug/L		1.0	0.23	1		03/09/09 15:37	108-90-7	
Chloroethane	ND ug/L		1.0	0.54	1		03/09/09 15:37	75-00-3	
Chloroform	ND ug/L		1.0	0.14	1		03/09/09 15:37	67-66-3	
Chloromethane	ND ug/L		1.0	0.11	1		03/09/09 15:37	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	0.35	1		03/09/09 15:37	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	0.31	1		03/09/09 15:37	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		3.0	2.5	1		03/09/09 15:37	96-12-8	
Dibromochloromethane	ND ug/L		1.0	0.21	1		03/09/09 15:37	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	0.27	1		03/09/09 15:37	106-93-4	
Dibromomethane	ND ug/L		1.0	0.21	1		03/09/09 15:37	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	0.30	1		03/09/09 15:37	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	0.24	1		03/09/09 15:37	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	0.33	1		03/09/09 15:37	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	0.21	1		03/09/09 15:37	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	0.32	1		03/09/09 15:37	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	0.12	1		03/09/09 15:37	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	0.56	1		03/09/09 15:37	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	0.19	1		03/09/09 15:37	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	0.49	1		03/09/09 15:37	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	0.27	1		03/09/09 15:37	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	0.28	1		03/09/09 15:37	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	0.13	1		03/09/09 15:37	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	0.49	1		03/09/09 15:37	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	0.13	1		03/09/09 15:37	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	0.26	1		03/09/09 15:37	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	0.12	1		03/09/09 15:37	108-20-3	
Ethylbenzene	ND ug/L		1.0	0.30	1		03/09/09 15:37	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	0.71	1		03/09/09 15:37	87-68-3	
2-Hexanone	ND ug/L		5.0	0.46	1		03/09/09 15:37	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	0.31	1		03/09/09 15:37	99-87-6	
Methylene Chloride	1.2J ug/L		2.0	0.97	1		03/09/09 15:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	0.33	1		03/09/09 15:37	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	0.21	1		03/09/09 15:37	1634-04-4	
Naphthalene	ND ug/L		1.0	0.24	1		03/09/09 15:37	91-20-3	

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY  
 Pace Project No.: 9238788

Sample: MW-A3	Lab ID: 9238788002	Collected: 02/25/09 10:55	Received: 02/25/09 17:45	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>	Analytical Method: EPA 8260								
Styrene	ND ug/L		1.0	0.26	1		03/09/09 15:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	0.33	1		03/09/09 15:37	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	0.40	1		03/09/09 15:37	79-34-5	
Tetrachloroethene	ND ug/L		1.0	0.46	1		03/09/09 15:37	127-18-4	
Toluene	ND ug/L		1.0	0.26	1		03/09/09 15:37	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	0.33	1		03/09/09 15:37	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	0.35	1		03/09/09 15:37	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	0.48	1		03/09/09 15:37	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	0.29	1		03/09/09 15:37	79-00-5	
Trichloroethene	ND ug/L		1.0	0.47	1		03/09/09 15:37	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	0.20	1		03/09/09 15:37	75-69-4	
1,2,3-Trichloroproppane	ND ug/L		1.0	0.41	1		03/09/09 15:37	96-18-4	
Vinyl acetate	ND ug/L		2.0	0.35	1		03/09/09 15:37	108-05-4	
Vinyl chloride	ND ug/L		1.0	0.62	1		03/09/09 15:37	75-01-4	
m&p-Xylene	ND ug/L		2.0	0.66	1		03/09/09 15:37	1330-20-7	
o-Xylene	ND ug/L		1.0	0.23	1		03/09/09 15:37	95-47-6	
4-Bromofluorobenzene (S)	98 %		87-109		1		03/09/09 15:37	460-00-4	
Dibromofluoromethane (S)	110 %		85-115		1		03/09/09 15:37	1868-53-7	
1,2-Dichloroethane-d4 (S)	110 %		79-120		1		03/09/09 15:37	17060-07-0	
Toluene-d8 (S)	101 %		70-120		1		03/09/09 15:37	2037-26-5	

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY

Pace Project No.: 9238788

Sample: MW-7 Lab ID: 9238788003 Collected: 02/25/09 15:00 Received: 02/25/09 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND ug/L		5.0	2.6	1	03/02/09 14:30	03/06/09 01:21	7440-36-0	
Arsenic	ND ug/L		5.0	2.7	1	03/02/09 14:30	03/06/09 01:21	7440-38-2	
Beryllium	ND ug/L		1.0	0.10	1	03/02/09 14:30	03/06/09 01:21	7440-41-7	
Cadmium	ND ug/L		1.0	0.50	1	03/02/09 14:30	03/06/09 01:21	7440-43-9	
Chromium	4.4J ug/L		5.0	0.40	1	03/02/09 14:30	03/06/09 01:21	7440-47-3	
Copper	ND ug/L		5.0	0.30	1	03/02/09 14:30	03/06/09 01:21	7440-50-8	
Lead	ND ug/L		5.0	4.0	1	03/02/09 14:30	03/06/09 01:21	7439-92-1	
Manganese	53.3 ug/L		5.0	0.30	1	03/02/09 14:30	03/06/09 01:21	7439-96-5	
Nickel	ND ug/L		5.0	1.7	1	03/02/09 14:30	03/06/09 01:21	7440-02-0	
Selenium	ND ug/L		10.0	3.8	1	03/02/09 14:30	03/06/09 01:21	7782-49-2	
Silver	ND ug/L		5.0	0.10	1	03/02/09 14:30	03/06/09 01:21	7440-22-4	
Thallium	3.2J ug/L		10.0	3.0	1	03/02/09 14:30	03/06/09 01:21	7440-28-0	
Zinc	6.6J ug/L		10.0	0.40	1	03/02/09 14:30	03/06/09 01:21	7440-66-6	Z2
<b>245.1 Mercury</b>		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	ND ug/L		0.20	0.070	1	02/26/09 15:50	02/27/09 14:40	7439-97-6	
<b>8270 MSSV Semivolatile Organic</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND ug/L		11.6	3.3	1	03/03/09 11:30	03/11/09 18:41	83-32-9	
Acenaphthylene	ND ug/L		11.6	3.3	1	03/03/09 11:30	03/11/09 18:41	208-96-8	
Aniline	ND ug/L		11.6	5.9	1	03/03/09 11:30	03/11/09 18:41	62-53-3	
Anthracene	ND ug/L		11.6	3.4	1	03/03/09 11:30	03/11/09 18:41	120-12-7	
Benzo(a)anthracene	ND ug/L		11.6	3.3	1	03/03/09 11:30	03/11/09 18:41	56-55-3	
Benzo(a)pyrene	ND ug/L		11.6	3.6	1	03/03/09 11:30	03/11/09 18:41	50-32-8	
Benzo(b)fluoranthene	ND ug/L		11.6	4.2	1	03/03/09 11:30	03/11/09 18:41	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		11.6	3.6	1	03/03/09 11:30	03/11/09 18:41	191-24-2	
Benzo(k)fluoranthene	ND ug/L		11.6	3.5	1	03/03/09 11:30	03/11/09 18:41	207-08-9	
Benzoic Acid	ND ug/L		58.1	58.1	1	03/03/09 11:30	03/11/09 18:41	65-85-0	
Benzyl alcohol	ND ug/L		23.3	4.2	1	03/03/09 11:30	03/11/09 18:41	100-51-6	
4-Bromophenylphenyl ether	ND ug/L		11.6	2.8	1	03/03/09 11:30	03/11/09 18:41	101-55-3	
Butylbenzylphthalate	ND ug/L		11.6	3.4	1	03/03/09 11:30	03/11/09 18:41	85-68-7	
4-Chloro-3-methylphenol	ND ug/L		23.3	3.3	1	03/03/09 11:30	03/11/09 18:41	59-50-7	
4-Chloroaniline	ND ug/L		58.1	6.2	1	03/03/09 11:30	03/11/09 18:41	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/L		11.6	6.7	1	03/03/09 11:30	03/11/09 18:41	111-91-1	
bis(2-Chloroethyl) ether	ND ug/L		11.6	5.6	1	03/03/09 11:30	03/11/09 18:41	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/L		11.6	4.7	1	03/03/09 11:30	03/11/09 18:41	108-60-1	
2-Choronaphthalene	ND ug/L		11.6	4.2	1	03/03/09 11:30	03/11/09 18:41	91-58-7	
2-Chlorophenol	ND ug/L		11.6	5.1	1	03/03/09 11:30	03/11/09 18:41	95-57-8	
4-Chlorophenylphenyl ether	ND ug/L		11.6	3.1	1	03/03/09 11:30	03/11/09 18:41	7005-72-3	
Chrysene	ND ug/L		11.6	3.1	1	03/03/09 11:30	03/11/09 18:41	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		11.6	3.4	1	03/03/09 11:30	03/11/09 18:41	53-70-3	
Dibenzofuran	ND ug/L		11.6	3.0	1	03/03/09 11:30	03/11/09 18:41	132-64-9	
1,2-Dichlorobenzene	ND ug/L		11.6	4.0	1	03/03/09 11:30	03/11/09 18:41	95-50-1	
1,3-Dichlorobenzene	ND ug/L		11.6	3.8	1	03/03/09 11:30	03/11/09 18:41	541-73-1	
1,4-Dichlorobenzene	ND ug/L		11.6	4.2	1	03/03/09 11:30	03/11/09 18:41	106-46-7	
3,3'-Dichlorobenzidine	ND ug/L		58.1	4.0	1	03/03/09 11:30	03/11/09 18:41	91-94-1	

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY

Pace Project No.: 9238788

Sample: MW-7 Lab ID: 9238788003 Collected: 02/25/09 15:00 Received: 02/25/09 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatile Organic</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
2,4-Dichlorophenol	ND ug/L		11.6	6.7	1	03/03/09 11:30	03/11/09 18:41	120-83-2	
Diethylphthalate	ND ug/L		11.6	2.8	1	03/03/09 11:30	03/11/09 18:41	84-66-2	
2,4-Dimethylphenol	ND ug/L		11.6	6.5	1	03/03/09 11:30	03/11/09 18:41	105-67-9	
Dimethylphthalate	ND ug/L		11.6	2.8	1	03/03/09 11:30	03/11/09 18:41	131-11-3	
Di-n-butylphthalate	ND ug/L		11.6	3.4	1	03/03/09 11:30	03/11/09 18:41	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/L		23.3	9.1	1	03/03/09 11:30	03/11/09 18:41	534-52-1	
2,4-Dinitrophenol	ND ug/L		58.1	11.6	1	03/03/09 11:30	03/11/09 18:41	51-28-5	
2,4-Dinitrotoluene	ND ug/L		11.6	3.0	1	03/03/09 11:30	03/11/09 18:41	121-14-2	
2,6-Dinitrotoluene	ND ug/L		11.6	3.3	1	03/03/09 11:30	03/11/09 18:41	606-20-2	
Di-n-octylphthalate	ND ug/L		11.6	3.4	1	03/03/09 11:30	03/11/09 18:41	117-84-0	
1,2-Diphenylhydrazine	ND ug/L		11.6	2.6	1	03/03/09 11:30	03/11/09 18:41	122-66-7	
bis(2-Ethylhexyl)phthalate	3.3J ug/L		11.6	2.4	1	03/03/09 11:30	03/11/09 18:41	117-81-7	
Fluoranthene	ND ug/L		11.6	3.4	1	03/03/09 11:30	03/11/09 18:41	206-44-0	
Fluorene	ND ug/L		11.6	3.0	1	03/03/09 11:30	03/11/09 18:41	86-73-7	
Hexachloro-1,3-butadiene	ND ug/L		11.6	3.8	1	03/03/09 11:30	03/11/09 18:41	87-68-3	
Hexachlorobenzene	ND ug/L		11.6	3.0	1	03/03/09 11:30	03/11/09 18:41	118-74-1	
Hexachlorocyclopentadiene	ND ug/L		11.6	4.3	1	03/03/09 11:30	03/11/09 18:41	77-47-4	
Hexachloroethane	ND ug/L		11.6	3.8	1	03/03/09 11:30	03/11/09 18:41	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/L		11.6	3.5	1	03/03/09 11:30	03/11/09 18:41	193-39-5	
Isophorone	ND ug/L		11.6	7.6	1	03/03/09 11:30	03/11/09 18:41	78-59-1	
1-Methylnaphthalene	ND ug/L		11.6	4.2	1	03/03/09 11:30	03/11/09 18:41	90-12-0	
2-Methylnaphthalene	ND ug/L		11.6	4.0	1	03/03/09 11:30	03/11/09 18:41	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/L		11.6	4.3	1	03/03/09 11:30	03/11/09 18:41	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/L		11.6	3.5	1	03/03/09 11:30	03/11/09 18:41		
Naphthalene	ND ug/L		11.6	4.4	1	03/03/09 11:30	03/11/09 18:41	91-20-3	
2-Nitroaniline	ND ug/L		58.1	3.1	1	03/03/09 11:30	03/11/09 18:41	88-74-4	
3-Nitroaniline	ND ug/L		58.1	3.5	1	03/03/09 11:30	03/11/09 18:41	99-09-2	
4-Nitroaniline	ND ug/L		58.1	4.7	1	03/03/09 11:30	03/11/09 18:41	100-01-6	
Nitrobenzene	ND ug/L		11.6	5.1	1	03/03/09 11:30	03/11/09 18:41	98-95-3	
2-Nitrophenol	ND ug/L		11.6	5.3	1	03/03/09 11:30	03/11/09 18:41	88-75-5	
4-Nitrophenol	ND ug/L		58.1	2.1	1	03/03/09 11:30	03/11/09 18:41	100-02-7	
N-Nitrosodimethylamine	ND ug/L		11.6	3.6	1	03/03/09 11:30	03/11/09 18:41	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/L		11.6	4.3	1	03/03/09 11:30	03/11/09 18:41	621-64-7	
N-Nitrosodiphenylamine	ND ug/L		11.6	7.7	1	03/03/09 11:30	03/11/09 18:41	86-30-6	
Pentachlorophenol	ND ug/L		58.1	1.9	1	03/03/09 11:30	03/11/09 18:41	87-86-5	
Phenanthrene	ND ug/L		11.6	3.1	1	03/03/09 11:30	03/11/09 18:41	85-01-8	
Phenol	ND ug/L		11.6	2.1	1	03/03/09 11:30	03/11/09 18:41	108-95-2	
Pyrene	ND ug/L		11.6	3.4	1	03/03/09 11:30	03/11/09 18:41	129-00-0	
1,2,4-Trichlorobenzene	ND ug/L		11.6	4.0	1	03/03/09 11:30	03/11/09 18:41	120-82-1	
2,4,5-Trichlorophenol	ND ug/L		11.6	6.5	1	03/03/09 11:30	03/11/09 18:41	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		11.6	7.1	1	03/03/09 11:30	03/11/09 18:41	88-06-2	
Nitrobenzene-d5 (S)	70 %	30-150		1	03/03/09 11:30	03/11/09 18:41	4165-60-0		
2-Fluorobiphenyl (S)	57 %	30-150		1	03/03/09 11:30	03/11/09 18:41	321-60-8		
Terphenyl-d14 (S)	75 %	30-150		1	03/03/09 11:30	03/11/09 18:41	1718-51-0		
Phenol-d6 (S)	31 %	25-150		1	03/03/09 11:30	03/11/09 18:41	13127-88-3		
2-Fluorophenol (S)	41 %	25-150		1	03/03/09 11:30	03/11/09 18:41	367-12-4		

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY

Pace Project No.: 9238788

Sample: MW-7 Lab ID: 9238788003 Collected: 02/25/09 15:00 Received: 02/25/09 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatile Organic</b>	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
2,4,6-Tribromophenol (S)	76 %		25-150		1	03/03/09 11:30	03/11/09 18:41	118-79-6	
<b>8260 MSV Low Level</b>	Analytical Method: EPA 8260								
Acetone	ND ug/L		25.0	2.2	1		03/08/09 16:18	67-64-1	
Benzene	ND ug/L		1.0	0.25	1		03/08/09 16:18	71-43-2	
Bromobenzene	ND ug/L		1.0	0.30	1		03/08/09 16:18	108-86-1	
Bromochloromethane	ND ug/L		1.0	0.17	1		03/08/09 16:18	74-97-5	
Bromodichloromethane	ND ug/L		1.0	0.18	1		03/08/09 16:18	75-27-4	
Bromoform	ND ug/L		1.0	0.26	1		03/08/09 16:18	75-25-2	
Bromomethane	ND ug/L		5.0	0.29	1		03/08/09 16:18	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	0.96	1		03/08/09 16:18	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	0.25	1		03/08/09 16:18	56-23-5	
Chlorobenzene	0.23J ug/L		1.0	0.23	1		03/08/09 16:18	108-90-7	
Chloroethane	ND ug/L		1.0	0.54	1		03/08/09 16:18	75-00-3	
Chloroform	ND ug/L		1.0	0.14	1		03/08/09 16:18	67-66-3	
Chloromethane	ND ug/L		1.0	0.11	1		03/08/09 16:18	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	0.35	1		03/08/09 16:18	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	0.31	1		03/08/09 16:18	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		3.0	2.5	1		03/08/09 16:18	96-12-8	
Dibromochloromethane	ND ug/L		1.0	0.21	1		03/08/09 16:18	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	0.27	1		03/08/09 16:18	106-93-4	
Dibromomethane	ND ug/L		1.0	0.21	1		03/08/09 16:18	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	0.30	1		03/08/09 16:18	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	0.24	1		03/08/09 16:18	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	0.33	1		03/08/09 16:18	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	0.21	1		03/08/09 16:18	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	0.32	1		03/08/09 16:18	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	0.12	1		03/08/09 16:18	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	0.56	1		03/08/09 16:18	75-35-4	
cis-1,2-Dichloroethene	0.67J ug/L		1.0	0.19	1		03/08/09 16:18	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	0.49	1		03/08/09 16:18	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	0.27	1		03/08/09 16:18	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	0.28	1		03/08/09 16:18	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	0.13	1		03/08/09 16:18	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	0.49	1		03/08/09 16:18	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	0.13	1		03/08/09 16:18	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	0.26	1		03/08/09 16:18	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	0.12	1		03/08/09 16:18	108-20-3	
Ethylbenzene	ND ug/L		1.0	0.30	1		03/08/09 16:18	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	0.71	1		03/08/09 16:18	87-68-3	
2-Hexanone	ND ug/L		5.0	0.46	1		03/08/09 16:18	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	0.31	1		03/08/09 16:18	99-87-6	
Methylene Chloride	ND ug/L		2.0	0.97	1		03/08/09 16:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	0.33	1		03/08/09 16:18	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	0.21	1		03/08/09 16:18	1634-04-4	
Naphthalene	ND ug/L		1.0	0.24	1		03/08/09 16:18	91-20-3	

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY

Pace Project No.: 9238788

Sample: MW-7	Lab ID: 9238788003	Collected: 02/25/09 15:00	Received: 02/25/09 17:45	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260							
Styrene	ND ug/L		1.0	0.26	1		03/08/09 16:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	0.33	1		03/08/09 16:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	0.40	1		03/08/09 16:18	79-34-5	
Tetrachloroethene	0.52J ug/L		1.0	0.46	1		03/08/09 16:18	127-18-4	
Toluene	ND ug/L		1.0	0.26	1		03/08/09 16:18	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	0.33	1		03/08/09 16:18	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	0.35	1		03/08/09 16:18	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	0.48	1		03/08/09 16:18	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	0.29	1		03/08/09 16:18	79-00-5	
Trichloroethene	ND ug/L		1.0	0.47	1		03/08/09 16:18	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	0.20	1		03/08/09 16:18	75-69-4	
1,2,3-Trichloroproppane	ND ug/L		1.0	0.41	1		03/08/09 16:18	96-18-4	
Vinyl acetate	ND ug/L		2.0	0.35	1		03/08/09 16:18	108-05-4	
Vinyl chloride	ND ug/L		1.0	0.62	1		03/08/09 16:18	75-01-4	
m&p-Xylene	ND ug/L		2.0	0.66	1		03/08/09 16:18	1330-20-7	
o-Xylene	ND ug/L		1.0	0.23	1		03/08/09 16:18	95-47-6	
4-Bromofluorobenzene (S)	100 %		87-109		1		03/08/09 16:18	460-00-4	
Dibromofluoromethane (S)	111 %		85-115		1		03/08/09 16:18	1868-53-7	
1,2-Dichloroethane-d4 (S)	114 %		79-120		1		03/08/09 16:18	17060-07-0	
Toluene-d8 (S)	102 %		70-120		1		03/08/09 16:18	2037-26-5	

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY  
Pace Project No.: 9238788

Sample: MW-10 Lab ID: 9238788004 Collected: 02/25/09 14:00 Received: 02/25/09 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Antimony	ND ug/L		5.0	2.6	1	03/02/09 14:30	03/06/09 01:29	7440-36-0	
Arsenic	3.2J ug/L		5.0	2.7	1	03/02/09 14:30	03/06/09 01:29	7440-38-2	
Beryllium	ND ug/L		1.0	0.10	1	03/02/09 14:30	03/06/09 01:29	7440-41-7	
Cadmium	ND ug/L		1.0	0.50	1	03/02/09 14:30	03/06/09 01:29	7440-43-9	
Chromium	1.6J ug/L		5.0	0.40	1	03/02/09 14:30	03/06/09 01:29	7440-47-3	
Copper	ND ug/L		5.0	0.30	1	03/02/09 14:30	03/06/09 01:29	7440-50-8	
Lead	ND ug/L		5.0	4.0	1	03/02/09 14:30	03/06/09 01:29	7439-92-1	
Manganese	1030 ug/L		5.0	0.30	1	03/02/09 14:30	03/06/09 01:29	7439-96-5	
Nickel	ND ug/L		5.0	1.7	1	03/02/09 14:30	03/06/09 01:29	7440-02-0	
Selenium	ND ug/L		10.0	3.8	1	03/02/09 14:30	03/06/09 01:29	7782-49-2	
Silver	0.13J ug/L		5.0	0.10	1	03/02/09 14:30	03/06/09 01:29	7440-22-4	
Thallium	4.0J ug/L		10.0	3.0	1	03/02/09 14:30	03/06/09 01:29	7440-28-0	
Zinc	6.0J ug/L		10.0	0.40	1	03/02/09 14:30	03/06/09 01:29	7440-66-6	Z2
<b>245.1 Mercury</b> Analytical Method: EPA 245.1 Preparation Method: EPA 245.1									
Mercury	ND ug/L		0.20	0.070	1	02/26/09 15:50	02/27/09 14:43	7439-97-6	
<b>8270 MSSV Semivolatile Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Acenaphthene	ND ug/L		11.1	3.1	1	03/03/09 11:30	03/11/09 19:03	83-32-9	
Acenaphthylene	ND ug/L		11.1	3.1	1	03/03/09 11:30	03/11/09 19:03	208-96-8	
Aniline	ND ug/L		11.1	5.7	1	03/03/09 11:30	03/11/09 19:03	62-53-3	
Anthracene	ND ug/L		11.1	3.2	1	03/03/09 11:30	03/11/09 19:03	120-12-7	
Benzo(a)anthracene	ND ug/L		11.1	3.1	1	03/03/09 11:30	03/11/09 19:03	56-55-3	
Benzo(a)pyrene	ND ug/L		11.1	3.4	1	03/03/09 11:30	03/11/09 19:03	50-32-8	
Benzo(b)fluoranthene	ND ug/L		11.1	4.0	1	03/03/09 11:30	03/11/09 19:03	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		11.1	3.4	1	03/03/09 11:30	03/11/09 19:03	191-24-2	
Benzo(k)fluoranthene	ND ug/L		11.1	3.3	1	03/03/09 11:30	03/11/09 19:03	207-08-9	
Benzoic Acid	ND ug/L		55.6	55.6	1	03/03/09 11:30	03/11/09 19:03	65-85-0	
Benzyl alcohol	ND ug/L		22.2	4.0	1	03/03/09 11:30	03/11/09 19:03	100-51-6	
4-Bromophenylphenyl ether	ND ug/L		11.1	2.7	1	03/03/09 11:30	03/11/09 19:03	101-55-3	
Butylbenzylphthalate	ND ug/L		11.1	3.2	1	03/03/09 11:30	03/11/09 19:03	85-68-7	
4-Chloro-3-methylphenol	ND ug/L		22.2	3.1	1	03/03/09 11:30	03/11/09 19:03	59-50-7	
4-Chloroaniline	ND ug/L		55.6	5.9	1	03/03/09 11:30	03/11/09 19:03	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/L		11.1	6.4	1	03/03/09 11:30	03/11/09 19:03	111-91-1	
bis(2-Chloroethyl) ether	ND ug/L		11.1	5.3	1	03/03/09 11:30	03/11/09 19:03	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/L		11.1	4.4	1	03/03/09 11:30	03/11/09 19:03	108-60-1	
2-Chloronaphthalene	ND ug/L		11.1	4.0	1	03/03/09 11:30	03/11/09 19:03	91-58-7	
2-Chlorophenol	ND ug/L		11.1	4.9	1	03/03/09 11:30	03/11/09 19:03	95-57-8	
4-Chlorophenylphenyl ether	ND ug/L		11.1	3.0	1	03/03/09 11:30	03/11/09 19:03	7005-72-3	
Chrysene	ND ug/L		11.1	3.0	1	03/03/09 11:30	03/11/09 19:03	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		11.1	3.2	1	03/03/09 11:30	03/11/09 19:03	53-70-3	
Dibenzofuran	ND ug/L		11.1	2.9	1	03/03/09 11:30	03/11/09 19:03	132-64-9	
1,2-Dichlorobenzene	ND ug/L		11.1	3.8	1	03/03/09 11:30	03/11/09 19:03	95-50-1	
1,3-Dichlorobenzene	ND ug/L		11.1	3.7	1	03/03/09 11:30	03/11/09 19:03	541-73-1	
1,4-Dichlorobenzene	ND ug/L		11.1	4.0	1	03/03/09 11:30	03/11/09 19:03	106-46-7	
3,3'-Dichlorobenzidine	ND ug/L		55.6	3.8	1	03/03/09 11:30	03/11/09 19:03	91-94-1	

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY

Pace Project No.: 9238788

Sample: MW-10 Lab ID: 9238788004 Collected: 02/25/09 14:00 Received: 02/25/09 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatile Organic</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
2,4-Dichlorophenol	ND ug/L		11.1	6.4	1	03/03/09 11:30	03/11/09 19:03	120-83-2	
Diethylphthalate	ND ug/L		11.1	2.7	1	03/03/09 11:30	03/11/09 19:03	84-66-2	
2,4-Dimethylphenol	ND ug/L		11.1	6.2	1	03/03/09 11:30	03/11/09 19:03	105-67-9	
Dimethylphthalate	ND ug/L		11.1	2.7	1	03/03/09 11:30	03/11/09 19:03	131-11-3	
Di-n-butylphthalate	ND ug/L		11.1	3.2	1	03/03/09 11:30	03/11/09 19:03	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/L		22.2	8.7	1	03/03/09 11:30	03/11/09 19:03	534-52-1	
2,4-Dinitrophenol	ND ug/L		55.6	11.1	1	03/03/09 11:30	03/11/09 19:03	51-28-5	
2,4-Dinitrotoluene	ND ug/L		11.1	2.9	1	03/03/09 11:30	03/11/09 19:03	121-14-2	
2,6-Dinitrotoluene	ND ug/L		11.1	3.1	1	03/03/09 11:30	03/11/09 19:03	606-20-2	
Di-n-octylphthalate	ND ug/L		11.1	3.2	1	03/03/09 11:30	03/11/09 19:03	117-84-0	
1,2-Diphenylhydrazine	ND ug/L		11.1	2.4	1	03/03/09 11:30	03/11/09 19:03	122-66-7	
bis(2-Ethylhexyl)phthalate	ND ug/L		11.1	2.3	1	03/03/09 11:30	03/11/09 19:03	117-81-7	
Fluoranthene	ND ug/L		11.1	3.2	1	03/03/09 11:30	03/11/09 19:03	206-44-0	
Fluorene	ND ug/L		11.1	2.9	1	03/03/09 11:30	03/11/09 19:03	86-73-7	
Hexachloro-1,3-butadiene	ND ug/L		11.1	3.7	1	03/03/09 11:30	03/11/09 19:03	87-68-3	
Hexachlorobenzene	ND ug/L		11.1	2.9	1	03/03/09 11:30	03/11/09 19:03	118-74-1	
Hexachlorocyclopentadiene	ND ug/L		11.1	4.1	1	03/03/09 11:30	03/11/09 19:03	77-47-4	
Hexachloroethane	ND ug/L		11.1	3.7	1	03/03/09 11:30	03/11/09 19:03	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/L		11.1	3.3	1	03/03/09 11:30	03/11/09 19:03	193-39-5	
Isophorone	ND ug/L		11.1	7.2	1	03/03/09 11:30	03/11/09 19:03	78-59-1	
1-Methylnaphthalene	ND ug/L		11.1	4.0	1	03/03/09 11:30	03/11/09 19:03	90-12-0	
2-Methylnaphthalene	ND ug/L		11.1	3.8	1	03/03/09 11:30	03/11/09 19:03	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/L		11.1	4.1	1	03/03/09 11:30	03/11/09 19:03	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/L		11.1	3.3	1	03/03/09 11:30	03/11/09 19:03		
Naphthalene	ND ug/L		11.1	4.2	1	03/03/09 11:30	03/11/09 19:03	91-20-3	
2-Nitroaniline	ND ug/L		55.6	3.0	1	03/03/09 11:30	03/11/09 19:03	88-74-4	
3-Nitroaniline	ND ug/L		55.6	3.3	1	03/03/09 11:30	03/11/09 19:03	99-09-2	
4-Nitroaniline	ND ug/L		55.6	4.4	1	03/03/09 11:30	03/11/09 19:03	100-01-6	
Nitrobenzene	ND ug/L		11.1	4.9	1	03/03/09 11:30	03/11/09 19:03	98-95-3	
2-Nitrophenol	ND ug/L		11.1	5.1	1	03/03/09 11:30	03/11/09 19:03	88-75-5	
4-Nitrophenol	ND ug/L		55.6	2.0	1	03/03/09 11:30	03/11/09 19:03	100-02-7	
N-Nitrosodimethylamine	ND ug/L		11.1	3.4	1	03/03/09 11:30	03/11/09 19:03	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/L		11.1	4.1	1	03/03/09 11:30	03/11/09 19:03	621-64-7	
N-Nitrosodiphenylamine	ND ug/L		11.1	7.3	1	03/03/09 11:30	03/11/09 19:03	86-30-6	
Pentachlorophenol	ND ug/L		55.6	1.8	1	03/03/09 11:30	03/11/09 19:03	87-86-5	
Phenanthrene	ND ug/L		11.1	3.0	1	03/03/09 11:30	03/11/09 19:03	85-01-8	
Phenol	ND ug/L		11.1	2.0	1	03/03/09 11:30	03/11/09 19:03	108-95-2	
Pyrene	ND ug/L		11.1	3.2	1	03/03/09 11:30	03/11/09 19:03	129-00-0	
1,2,4-Trichlorobenzene	ND ug/L		11.1	3.8	1	03/03/09 11:30	03/11/09 19:03	120-82-1	
2,4,5-Trichlorophenol	ND ug/L		11.1	6.2	1	03/03/09 11:30	03/11/09 19:03	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		11.1	6.8	1	03/03/09 11:30	03/11/09 19:03	88-06-2	
Nitrobenzene-d5 (S)	47 %	30-150		1	03/03/09 11:30	03/11/09 19:03	4165-60-0		
2-Fluorobiphenyl (S)	43 %	30-150		1	03/03/09 11:30	03/11/09 19:03	321-60-8		
Terphenyl-d14 (S)	60 %	30-150		1	03/03/09 11:30	03/11/09 19:03	1718-51-0		
Phenol-d6 (S)	21 %	25-150		1	03/03/09 11:30	03/11/09 19:03	13127-88-3	1g	
2-Fluorophenol (S)	26 %	25-150		1	03/03/09 11:30	03/11/09 19:03	367-12-4		

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY  
 Pace Project No.: 9238788

Sample: MW-10 Lab ID: 9238788004 Collected: 02/25/09 14:00 Received: 02/25/09 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
2,4,6-Tribromophenol (S)	52 %		25-150		1	03/03/09 11:30	03/11/09 19:03	118-79-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND ug/L		25.0	2.2	1		03/08/09 16:42	67-64-1	
Benzene	0.37J ug/L		1.0	0.25	1		03/08/09 16:42	71-43-2	
Bromobenzene	ND ug/L		1.0	0.30	1		03/08/09 16:42	108-86-1	
Bromochloromethane	ND ug/L		1.0	0.17	1		03/08/09 16:42	74-97-5	
Bromodichloromethane	ND ug/L		1.0	0.18	1		03/08/09 16:42	75-27-4	
Bromoform	ND ug/L		1.0	0.26	1		03/08/09 16:42	75-25-2	
Bromomethane	ND ug/L		5.0	0.29	1		03/08/09 16:42	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	0.96	1		03/08/09 16:42	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	0.25	1		03/08/09 16:42	56-23-5	
Chlorobenzene	6.3 ug/L		1.0	0.23	1		03/08/09 16:42	108-90-7	
Chloroethane	ND ug/L		1.0	0.54	1		03/08/09 16:42	75-00-3	
Chloroform	ND ug/L		1.0	0.14	1		03/08/09 16:42	67-66-3	
Chloromethane	ND ug/L		1.0	0.11	1		03/08/09 16:42	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	0.35	1		03/08/09 16:42	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	0.31	1		03/08/09 16:42	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		3.0	2.5	1		03/08/09 16:42	96-12-8	
Dibromochloromethane	ND ug/L		1.0	0.21	1		03/08/09 16:42	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	0.27	1		03/08/09 16:42	106-93-4	
Dibromomethane	ND ug/L		1.0	0.21	1		03/08/09 16:42	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	0.30	1		03/08/09 16:42	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	0.24	1		03/08/09 16:42	541-73-1	
1,4-Dichlorobenzene	1.5 ug/L		1.0	0.33	1		03/08/09 16:42	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	0.21	1		03/08/09 16:42	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	0.32	1		03/08/09 16:42	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	0.12	1		03/08/09 16:42	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	0.56	1		03/08/09 16:42	75-35-4	
cis-1,2-Dichloroethene	0.54J ug/L		1.0	0.19	1		03/08/09 16:42	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	0.49	1		03/08/09 16:42	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	0.27	1		03/08/09 16:42	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	0.28	1		03/08/09 16:42	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	0.13	1		03/08/09 16:42	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	0.49	1		03/08/09 16:42	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	0.13	1		03/08/09 16:42	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	0.26	1		03/08/09 16:42	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	0.12	1		03/08/09 16:42	108-20-3	
Ethylbenzene	ND ug/L		1.0	0.30	1		03/08/09 16:42	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	0.71	1		03/08/09 16:42	87-68-3	
2-Hexanone	ND ug/L		5.0	0.46	1		03/08/09 16:42	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	0.31	1		03/08/09 16:42	99-87-6	
Methylene Chloride	ND ug/L		2.0	0.97	1		03/08/09 16:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	0.33	1		03/08/09 16:42	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	0.21	1		03/08/09 16:42	1634-04-4	
Naphthalene	ND ug/L		1.0	0.24	1		03/08/09 16:42	91-20-3	

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY

Pace Project No.: 9238788

Sample: MW-10 Lab ID: 9238788004 Collected: 02/25/09 14:00 Received: 02/25/09 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260							
Styrene	ND	ug/L	1.0	0.26	1		03/08/09 16:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		03/08/09 16:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		03/08/09 16:42	79-34-5	
Tetrachloroethene	0.53J	ug/L	1.0	0.46	1		03/08/09 16:42	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		03/08/09 16:42	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1		03/08/09 16:42	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1		03/08/09 16:42	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		03/08/09 16:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		03/08/09 16:42	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		03/08/09 16:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		03/08/09 16:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		03/08/09 16:42	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		03/08/09 16:42	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		03/08/09 16:42	75-01-4	
m&p-Xylene	ND	ug/L	2.0	0.66	1		03/08/09 16:42	1330-20-7	
o-Xylene	ND	ug/L	1.0	0.23	1		03/08/09 16:42	95-47-6	
4-Bromofluorobenzene (S)	99 %		87-109		1		03/08/09 16:42	460-00-4	
Dibromofluoromethane (S)	113 %		85-115		1		03/08/09 16:42	1868-53-7	
1,2-Dichloroethane-d4 (S)	116 %		79-120		1		03/08/09 16:42	17060-07-0	
Toluene-d8 (S)	103 %		70-120		1		03/08/09 16:42	2037-26-5	

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY

Pace Project No.: 9238788

Sample: MW-11 Lab ID: 9238788005 Collected: 02/25/09 13:25 Received: 02/25/09 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010							
Antimony	ND ug/L		5.0	2.6	1	03/02/09 14:30	03/06/09 01:37	7440-36-0	
Arsenic	ND ug/L		5.0	2.7	1	03/02/09 14:30	03/06/09 01:37	7440-38-2	
Beryllium	ND ug/L		1.0	0.10	1	03/02/09 14:30	03/06/09 01:37	7440-41-7	
Cadmium	ND ug/L		1.0	0.50	1	03/02/09 14:30	03/06/09 01:37	7440-43-9	
Chromium	4.3J ug/L		5.0	0.40	1	03/02/09 14:30	03/06/09 01:37	7440-47-3	
Copper	3.3J ug/L		5.0	0.30	1	03/02/09 14:30	03/06/09 01:37	7440-50-8	
Lead	ND ug/L		5.0	4.0	1	03/02/09 14:30	03/06/09 01:37	7439-92-1	
Manganese	40.5 ug/L		5.0	0.30	1	03/02/09 14:30	03/06/09 01:37	7439-96-5	
Nickel	2.7J ug/L		5.0	1.7	1	03/02/09 14:30	03/06/09 01:37	7440-02-0	
Selenium	ND ug/L		10.0	3.8	1	03/02/09 14:30	03/06/09 01:37	7782-49-2	
Silver	ND ug/L		5.0	0.10	1	03/02/09 14:30	03/06/09 01:37	7440-22-4	
Thallium	ND ug/L		10.0	3.0	1	03/02/09 14:30	03/06/09 01:37	7440-28-0	
Zinc	10.2 ug/L		10.0	0.40	1	03/02/09 14:30	03/06/09 01:37	7440-66-6	Z2
<b>245.1 Mercury</b>		Analytical Method: EPA 245.1 Preparation Method: EPA 245.1							
Mercury	0.10J ug/L		0.20	0.070	1	02/26/09 15:50	02/27/09 14:45	7439-97-6	
<b>8270 MSSV Semivolatile Organic</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
Acenaphthene	ND ug/L		11.9	3.3	1	03/03/09 11:30	03/11/09 19:25	83-32-9	
Acenaphthylene	ND ug/L		11.9	3.3	1	03/03/09 11:30	03/11/09 19:25	208-96-8	
Aniline	ND ug/L		11.9	6.1	1	03/03/09 11:30	03/11/09 19:25	62-53-3	
Anthracene	ND ug/L		11.9	3.5	1	03/03/09 11:30	03/11/09 19:25	120-12-7	
Benzo(a)anthracene	ND ug/L		11.9	3.3	1	03/03/09 11:30	03/11/09 19:25	56-55-3	
Benzo(a)pyrene	ND ug/L		11.9	3.7	1	03/03/09 11:30	03/11/09 19:25	50-32-8	
Benzo(b)fluoranthene	ND ug/L		11.9	4.3	1	03/03/09 11:30	03/11/09 19:25	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		11.9	3.7	1	03/03/09 11:30	03/11/09 19:25	191-24-2	
Benzo(k)fluoranthene	ND ug/L		11.9	3.6	1	03/03/09 11:30	03/11/09 19:25	207-08-9	
Benzoic Acid	ND ug/L		59.5	59.5	1	03/03/09 11:30	03/11/09 19:25	65-85-0	
Benzyl alcohol	ND ug/L		23.8	4.3	1	03/03/09 11:30	03/11/09 19:25	100-51-6	
4-Bromophenylphenyl ether	ND ug/L		11.9	2.9	1	03/03/09 11:30	03/11/09 19:25	101-55-3	
Butylbenzylphthalate	ND ug/L		11.9	3.5	1	03/03/09 11:30	03/11/09 19:25	85-68-7	
4-Chloro-3-methylphenol	ND ug/L		23.8	3.3	1	03/03/09 11:30	03/11/09 19:25	59-50-7	
4-Chloroaniline	ND ug/L		59.5	6.3	1	03/03/09 11:30	03/11/09 19:25	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/L		11.9	6.9	1	03/03/09 11:30	03/11/09 19:25	111-91-1	
bis(2-Chloroethyl) ether	ND ug/L		11.9	5.7	1	03/03/09 11:30	03/11/09 19:25	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/L		11.9	4.8	1	03/03/09 11:30	03/11/09 19:25	108-60-1	
2-Chloronaphthalene	ND ug/L		11.9	4.3	1	03/03/09 11:30	03/11/09 19:25	91-58-7	
2-Chlorophenol	ND ug/L		11.9	5.2	1	03/03/09 11:30	03/11/09 19:25	95-57-8	
4-Chlorophenylphenyl ether	ND ug/L		11.9	3.2	1	03/03/09 11:30	03/11/09 19:25	7005-72-3	
Chrysene	ND ug/L		11.9	3.2	1	03/03/09 11:30	03/11/09 19:25	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		11.9	3.5	1	03/03/09 11:30	03/11/09 19:25	53-70-3	
Dibenzofuran	ND ug/L		11.9	3.1	1	03/03/09 11:30	03/11/09 19:25	132-64-9	
1,2-Dichlorobenzene	ND ug/L		11.9	4.0	1	03/03/09 11:30	03/11/09 19:25	95-50-1	
1,3-Dichlorobenzene	ND ug/L		11.9	3.9	1	03/03/09 11:30	03/11/09 19:25	541-73-1	
1,4-Dichlorobenzene	ND ug/L		11.9	4.3	1	03/03/09 11:30	03/11/09 19:25	106-46-7	
3,3'-Dichlorobenzidine	ND ug/L		59.5	4.0	1	03/03/09 11:30	03/11/09 19:25	91-94-1	

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY

Pace Project No.: 9238788

Sample: MW-11 Lab ID: 9238788005 Collected: 02/25/09 13:25 Received: 02/25/09 17:45 Matrix: Water

Parameters	Results	Units	Report				Analyzed	CAS No.	Qual
			Limit	MDL	DF	Prepared			
<b>8270 MSSV Semivolatile Organic</b>									Analytical Method: EPA 8270 Preparation Method: EPA 3510
2,4-Dichlorophenol	ND ug/L		11.9	6.9	1	03/03/09 11:30	03/11/09 19:25	120-83-2	
Diethylphthalate	ND ug/L		11.9	2.9	1	03/03/09 11:30	03/11/09 19:25	84-66-2	
2,4-Dimethylphenol	ND ug/L		11.9	6.7	1	03/03/09 11:30	03/11/09 19:25	105-67-9	
Dimethylphthalate	ND ug/L		11.9	2.9	1	03/03/09 11:30	03/11/09 19:25	131-11-3	
Di-n-butylphthalate	ND ug/L		11.9	3.5	1	03/03/09 11:30	03/11/09 19:25	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/L		23.8	9.3	1	03/03/09 11:30	03/11/09 19:25	534-52-1	
2,4-Dinitrophenol	ND ug/L		59.5	11.9	1	03/03/09 11:30	03/11/09 19:25	51-28-5	
2,4-Dinitrotoluene	ND ug/L		11.9	3.1	1	03/03/09 11:30	03/11/09 19:25	121-14-2	
2,6-Dinitrotoluene	ND ug/L		11.9	3.3	1	03/03/09 11:30	03/11/09 19:25	606-20-2	
Di-n-octylphthalate	ND ug/L		11.9	3.5	1	03/03/09 11:30	03/11/09 19:25	117-84-0	
1,2-Diphenylhydrazine	ND ug/L		11.9	2.6	1	03/03/09 11:30	03/11/09 19:25	122-66-7	
bis(2-Ethylhexyl)phthalate	ND ug/L		11.9	2.5	1	03/03/09 11:30	03/11/09 19:25	117-81-7	
Fluoranthene	ND ug/L		11.9	3.5	1	03/03/09 11:30	03/11/09 19:25	206-44-0	
Fluorene	ND ug/L		11.9	3.1	1	03/03/09 11:30	03/11/09 19:25	86-73-7	
Hexachloro-1,3-butadiene	ND ug/L		11.9	3.9	1	03/03/09 11:30	03/11/09 19:25	87-68-3	
Hexachlorobenzene	ND ug/L		11.9	3.1	1	03/03/09 11:30	03/11/09 19:25	118-74-1	
Hexachlorocyclopentadiene	ND ug/L		11.9	4.4	1	03/03/09 11:30	03/11/09 19:25	77-47-4	
Hexachloroethane	ND ug/L		11.9	3.9	1	03/03/09 11:30	03/11/09 19:25	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/L		11.9	3.6	1	03/03/09 11:30	03/11/09 19:25	193-39-5	
Isophorone	ND ug/L		11.9	7.7	1	03/03/09 11:30	03/11/09 19:25	78-59-1	
1-Methylnaphthalene	ND ug/L		11.9	4.3	1	03/03/09 11:30	03/11/09 19:25	90-12-0	
2-Methylnaphthalene	ND ug/L		11.9	4.0	1	03/03/09 11:30	03/11/09 19:25	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/L		11.9	4.4	1	03/03/09 11:30	03/11/09 19:25	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/L		11.9	3.6	1	03/03/09 11:30	03/11/09 19:25		
Naphthalene	ND ug/L		11.9	4.5	1	03/03/09 11:30	03/11/09 19:25	91-20-3	
2-Nitroaniline	ND ug/L		59.5	3.2	1	03/03/09 11:30	03/11/09 19:25	88-74-4	
3-Nitroaniline	ND ug/L		59.5	3.6	1	03/03/09 11:30	03/11/09 19:25	99-09-2	
4-Nitroaniline	ND ug/L		59.5	4.8	1	03/03/09 11:30	03/11/09 19:25	100-01-6	
Nitrobenzene	ND ug/L		11.9	5.2	1	03/03/09 11:30	03/11/09 19:25	98-95-3	
2-Nitrophenol	ND ug/L		11.9	5.5	1	03/03/09 11:30	03/11/09 19:25	88-75-5	
4-Nitrophenol	ND ug/L		59.5	2.1	1	03/03/09 11:30	03/11/09 19:25	100-02-7	
N-Nitrosodimethylamine	ND ug/L		11.9	3.7	1	03/03/09 11:30	03/11/09 19:25	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/L		11.9	4.4	1	03/03/09 11:30	03/11/09 19:25	621-64-7	
N-Nitrosodiphenylamine	ND ug/L		11.9	7.9	1	03/03/09 11:30	03/11/09 19:25	86-30-6	
Pentachlorophenol	ND ug/L		59.5	1.9	1	03/03/09 11:30	03/11/09 19:25	87-86-5	
Phenanthrene	ND ug/L		11.9	3.2	1	03/03/09 11:30	03/11/09 19:25	85-01-8	
Phenol	ND ug/L		11.9	2.1	1	03/03/09 11:30	03/11/09 19:25	108-95-2	
Pyrene	ND ug/L		11.9	3.5	1	03/03/09 11:30	03/11/09 19:25	129-00-0	
1,2,4-Trichlorobenzene	ND ug/L		11.9	4.0	1	03/03/09 11:30	03/11/09 19:25	120-82-1	
2,4,5-Trichlorophenol	ND ug/L		11.9	6.7	1	03/03/09 11:30	03/11/09 19:25	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		11.9	7.3	1	03/03/09 11:30	03/11/09 19:25	88-06-2	
Nitrobenzene-d5 (S)	98 %	30-150		1	03/03/09 11:30	03/11/09 19:25	4165-60-0		
2-Fluorobiphenyl (S)	81 %	30-150		1	03/03/09 11:30	03/11/09 19:25	321-60-8		
Terphenyl-d14 (S)	102 %	30-150		1	03/03/09 11:30	03/11/09 19:25	1718-51-0		
Phenol-d6 (S)	43 %	25-150		1	03/03/09 11:30	03/11/09 19:25	13127-88-3		
2-Fluorophenol (S)	62 %	25-150		1	03/03/09 11:30	03/11/09 19:25	367-12-4		

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY  
 Pace Project No.: 9238788

Sample: MW-11 Lab ID: 9238788005 Collected: 02/25/09 13:25 Received: 02/25/09 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
2,4,6-Tribromophenol (S)	97 %		25-150		1	03/03/09 11:30	03/11/09 19:25	118-79-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND ug/L		25.0	2.2	1		03/08/09 17:06	67-64-1	
Benzene	ND ug/L		1.0	0.25	1		03/08/09 17:06	71-43-2	
Bromobenzene	ND ug/L		1.0	0.30	1		03/08/09 17:06	108-86-1	
Bromochloromethane	ND ug/L		1.0	0.17	1		03/08/09 17:06	74-97-5	
Bromodichloromethane	ND ug/L		1.0	0.18	1		03/08/09 17:06	75-27-4	
Bromoform	ND ug/L		1.0	0.26	1		03/08/09 17:06	75-25-2	
Bromomethane	ND ug/L		5.0	0.29	1		03/08/09 17:06	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	0.96	1		03/08/09 17:06	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	0.25	1		03/08/09 17:06	56-23-5	
Chlorobenzene	ND ug/L		1.0	0.23	1		03/08/09 17:06	108-90-7	
Chloroethane	ND ug/L		1.0	0.54	1		03/08/09 17:06	75-00-3	
Chloroform	ND ug/L		1.0	0.14	1		03/08/09 17:06	67-66-3	
Chloromethane	ND ug/L		1.0	0.11	1		03/08/09 17:06	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	0.35	1		03/08/09 17:06	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	0.31	1		03/08/09 17:06	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		3.0	2.5	1		03/08/09 17:06	96-12-8	
Dibromochloromethane	ND ug/L		1.0	0.21	1		03/08/09 17:06	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	0.27	1		03/08/09 17:06	106-93-4	
Dibromomethane	ND ug/L		1.0	0.21	1		03/08/09 17:06	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	0.30	1		03/08/09 17:06	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	0.24	1		03/08/09 17:06	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	0.33	1		03/08/09 17:06	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	0.21	1		03/08/09 17:06	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	0.32	1		03/08/09 17:06	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	0.12	1		03/08/09 17:06	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	0.56	1		03/08/09 17:06	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	0.19	1		03/08/09 17:06	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	0.49	1		03/08/09 17:06	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	0.27	1		03/08/09 17:06	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	0.28	1		03/08/09 17:06	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	0.13	1		03/08/09 17:06	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	0.49	1		03/08/09 17:06	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	0.13	1		03/08/09 17:06	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	0.26	1		03/08/09 17:06	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	0.12	1		03/08/09 17:06	108-20-3	
Ethylbenzene	ND ug/L		1.0	0.30	1		03/08/09 17:06	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	0.71	1		03/08/09 17:06	87-68-3	
2-Hexanone	ND ug/L		5.0	0.46	1		03/08/09 17:06	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	0.31	1		03/08/09 17:06	99-87-6	
Methylene Chloride	ND ug/L		2.0	0.97	1		03/08/09 17:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	0.33	1		03/08/09 17:06	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	0.21	1		03/08/09 17:06	1634-04-4	
Naphthalene	ND ug/L		1.0	0.24	1		03/08/09 17:06	91-20-3	

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY  
Pace Project No.: 9238788

Sample: MW-11	Lab ID: 9238788005	Collected: 02/25/09 13:25	Received: 02/25/09 17:45	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 8260								
Styrene	ND ug/L		1.0	0.26	1		03/08/09 17:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	0.33	1		03/08/09 17:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	0.40	1		03/08/09 17:06	79-34-5	
Tetrachloroethene	ND ug/L		1.0	0.46	1		03/08/09 17:06	127-18-4	
Toluene	ND ug/L		1.0	0.26	1		03/08/09 17:06	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	0.33	1		03/08/09 17:06	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	0.35	1		03/08/09 17:06	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	0.48	1		03/08/09 17:06	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	0.29	1		03/08/09 17:06	79-00-5	
Trichloroethene	ND ug/L		1.0	0.47	1		03/08/09 17:06	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	0.20	1		03/08/09 17:06	75-69-4	
1,2,3-Trichloroproppane	ND ug/L		1.0	0.41	1		03/08/09 17:06	96-18-4	
Vinyl acetate	ND ug/L		2.0	0.35	1		03/08/09 17:06	108-05-4	
Vinyl chloride	ND ug/L		1.0	0.62	1		03/08/09 17:06	75-01-4	
m&p-Xylene	ND ug/L		2.0	0.66	1		03/08/09 17:06	1330-20-7	
o-Xylene	ND ug/L		1.0	0.23	1		03/08/09 17:06	95-47-6	
4-Bromofluorobenzene (S)	99 %		87-109		1		03/08/09 17:06	460-00-4	
Dibromofluoromethane (S)	114 %		85-115		1		03/08/09 17:06	1868-53-7	
1,2-Dichloroethane-d4 (S)	117 %		79-120		1		03/08/09 17:06	17060-07-0	
Toluene-d8 (S)	102 %		70-120		1		03/08/09 17:06	2037-26-5	

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY

Pace Project No.: 9238788

Sample: MW-12 Lab ID: 9238788006 Collected: 02/25/09 11:25 Received: 02/25/09 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Antimony	ND ug/L		5.0	2.6	1	03/02/09 14:30	03/06/09 01:51	7440-36-0	
Arsenic	ND ug/L		5.0	2.7	1	03/02/09 14:30	03/06/09 01:51	7440-38-2	
Beryllium	ND ug/L		1.0	0.10	1	03/02/09 14:30	03/06/09 01:51	7440-41-7	
Cadmium	ND ug/L		1.0	0.50	1	03/02/09 14:30	03/06/09 01:51	7440-43-9	
Chromium	3.4J ug/L		5.0	0.40	1	03/02/09 14:30	03/06/09 01:51	7440-47-3	
Copper	3.4J ug/L		5.0	0.30	1	03/02/09 14:30	03/06/09 01:51	7440-50-8	
Lead	ND ug/L		5.0	4.0	1	03/02/09 14:30	03/06/09 01:51	7439-92-1	
Manganese	43.3 ug/L		5.0	0.30	1	03/02/09 14:30	03/06/09 01:51	7439-96-5	
Nickel	2.0J ug/L		5.0	1.7	1	03/02/09 14:30	03/06/09 01:51	7440-02-0	
Selenium	ND ug/L		10.0	3.8	1	03/02/09 14:30	03/06/09 01:51	7782-49-2	
Silver	ND ug/L		5.0	0.10	1	03/02/09 14:30	03/06/09 01:51	7440-22-4	
Thallium	ND ug/L		10.0	3.0	1	03/02/09 14:30	03/06/09 01:51	7440-28-0	
Zinc	17.0 ug/L		10.0	0.40	1	03/02/09 14:30	03/06/09 01:51	7440-66-6	Z2
<b>245.1 Mercury</b> Analytical Method: EPA 245.1 Preparation Method: EPA 245.1									
Mercury	0.089J ug/L		0.20	0.070	1	02/26/09 15:50	02/27/09 14:48	7439-97-6	
<b>8270 MSSV Semivolatile Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Acenaphthene	ND ug/L		11.1	3.1	1	03/03/09 11:30	03/11/09 19:47	83-32-9	
Acenaphthylene	ND ug/L		11.1	3.1	1	03/03/09 11:30	03/11/09 19:47	208-96-8	
Aniline	ND ug/L		11.1	5.7	1	03/03/09 11:30	03/11/09 19:47	62-53-3	
Anthracene	ND ug/L		11.1	3.2	1	03/03/09 11:30	03/11/09 19:47	120-12-7	
Benzo(a)anthracene	ND ug/L		11.1	3.1	1	03/03/09 11:30	03/11/09 19:47	56-55-3	
Benzo(a)pyrene	ND ug/L		11.1	3.4	1	03/03/09 11:30	03/11/09 19:47	50-32-8	
Benzo(b)fluoranthene	ND ug/L		11.1	4.0	1	03/03/09 11:30	03/11/09 19:47	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		11.1	3.4	1	03/03/09 11:30	03/11/09 19:47	191-24-2	
Benzo(k)fluoranthene	ND ug/L		11.1	3.3	1	03/03/09 11:30	03/11/09 19:47	207-08-9	
Benzoic Acid	ND ug/L		55.6	55.6	1	03/03/09 11:30	03/11/09 19:47	65-85-0	
Benzyl alcohol	ND ug/L		22.2	4.0	1	03/03/09 11:30	03/11/09 19:47	100-51-6	
4-Bromophenylphenyl ether	ND ug/L		11.1	2.7	1	03/03/09 11:30	03/11/09 19:47	101-55-3	
Butylbenzylphthalate	ND ug/L		11.1	3.2	1	03/03/09 11:30	03/11/09 19:47	85-68-7	
4-Chloro-3-methylphenol	ND ug/L		22.2	3.1	1	03/03/09 11:30	03/11/09 19:47	59-50-7	
4-Chloroaniline	ND ug/L		55.6	5.9	1	03/03/09 11:30	03/11/09 19:47	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/L		11.1	6.4	1	03/03/09 11:30	03/11/09 19:47	111-91-1	
bis(2-Chloroethyl) ether	ND ug/L		11.1	5.3	1	03/03/09 11:30	03/11/09 19:47	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/L		11.1	4.4	1	03/03/09 11:30	03/11/09 19:47	108-60-1	
2-Chloronaphthalene	ND ug/L		11.1	4.0	1	03/03/09 11:30	03/11/09 19:47	91-58-7	
2-Chlorophenol	ND ug/L		11.1	4.9	1	03/03/09 11:30	03/11/09 19:47	95-57-8	
4-Chlorophenylphenyl ether	ND ug/L		11.1	3.0	1	03/03/09 11:30	03/11/09 19:47	7005-72-3	
Chrysene	ND ug/L		11.1	3.0	1	03/03/09 11:30	03/11/09 19:47	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		11.1	3.2	1	03/03/09 11:30	03/11/09 19:47	53-70-3	
Dibenzofuran	ND ug/L		11.1	2.9	1	03/03/09 11:30	03/11/09 19:47	.132-64-9	
1,2-Dichlorobenzene	ND ug/L		11.1	3.8	1	03/03/09 11:30	03/11/09 19:47	95-50-1	
1,3-Dichlorobenzene	ND ug/L		11.1	3.7	1	03/03/09 11:30	03/11/09 19:47	541-73-1	
1,4-Dichlorobenzene	ND ug/L		11.1	4.0	1	03/03/09 11:30	03/11/09 19:47	106-46-7	
3,3'-Dichlorobenzidine	ND ug/L		55.6	3.8	1	03/03/09 11:30	03/11/09 19:47	91-94-1	

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY

Pace Project No.: 9238788

Sample: MW-12 Lab ID: 9238788006 Collected: 02/25/09 11:25 Received: 02/25/09 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatile Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
2,4-Dichlorophenol	ND ug/L		11.1	6.4	1	03/03/09 11:30	03/11/09 19:47	120-83-2	
Diethylphthalate	ND ug/L		11.1	2.7	1	03/03/09 11:30	03/11/09 19:47	84-66-2	
2,4-Dimethylphenol	ND ug/L		11.1	6.2	1	03/03/09 11:30	03/11/09 19:47	105-67-9	
Dimethylphthalate	ND ug/L		11.1	2.7	1	03/03/09 11:30	03/11/09 19:47	131-11-3	
Di-n-butylphthalate	ND ug/L		11.1	3.2	1	03/03/09 11:30	03/11/09 19:47	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/L		22.2	8.7	1	03/03/09 11:30	03/11/09 19:47	534-52-1	
2,4-Dinitrophenol	ND ug/L		55.6	11.1	1	03/03/09 11:30	03/11/09 19:47	51-28-5	
2,4-Dinitrotoluene	ND ug/L		11.1	2.9	1	03/03/09 11:30	03/11/09 19:47	121-14-2	
2,6-Dinitrotoluene	ND ug/L		11.1	3.1	1	03/03/09 11:30	03/11/09 19:47	606-20-2	
Di-n-octylphthalate	ND ug/L		11.1	3.2	1	03/03/09 11:30	03/11/09 19:47	117-84-0	
1,2-Diphenylhydrazine	ND ug/L		11.1	2.4	1	03/03/09 11:30	03/11/09 19:47	122-66-7	
bis(2-Ethylhexyl)phthalate	ND ug/L		11.1	2.3	1	03/03/09 11:30	03/11/09 19:47	117-81-7	
Fluoranthene	ND ug/L		11.1	3.2	1	03/03/09 11:30	03/11/09 19:47	206-44-0	
Fluorene	ND ug/L		11.1	2.9	1	03/03/09 11:30	03/11/09 19:47	86-73-7	
Hexachloro-1,3-butadiene	ND ug/L		11.1	3.7	1	03/03/09 11:30	03/11/09 19:47	87-68-3	
Hexachlorobenzene	ND ug/L		11.1	2.9	1	03/03/09 11:30	03/11/09 19:47	118-74-1	
Hexachlorocyclopentadiene	ND ug/L		11.1	4.1	1	03/03/09 11:30	03/11/09 19:47	77-47-4	
Hexachloroethane	ND ug/L		11.1	3.7	1	03/03/09 11:30	03/11/09 19:47	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/L		11.1	3.3	1	03/03/09 11:30	03/11/09 19:47	193-39-5	
Isophorone	ND ug/L		11.1	7.2	1	03/03/09 11:30	03/11/09 19:47	78-59-1	
1-Methylnaphthalene	ND ug/L		11.1	4.0	1	03/03/09 11:30	03/11/09 19:47	90-12-0	
2-Methylnaphthalene	ND ug/L		11.1	3.8	1	03/03/09 11:30	03/11/09 19:47	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/L		11.1	4.1	1	03/03/09 11:30	03/11/09 19:47	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/L		11.1	3.3	1	03/03/09 11:30	03/11/09 19:47		
Naphthalene	ND ug/L		11.1	4.2	1	03/03/09 11:30	03/11/09 19:47	91-20-3	
2-Nitroaniline	ND ug/L		55.6	3.0	1	03/03/09 11:30	03/11/09 19:47	88-74-4	
3-Nitroaniline	ND ug/L		55.6	3.3	1	03/03/09 11:30	03/11/09 19:47	99-09-2	
4-Nitroaniline	ND ug/L		55.6	4.4	1	03/03/09 11:30	03/11/09 19:47	100-01-6	
Nitrobenzene	ND ug/L		11.1	4.9	1	03/03/09 11:30	03/11/09 19:47	98-95-3	
2-Nitrophenol	ND ug/L		11.1	5.1	1	03/03/09 11:30	03/11/09 19:47	88-75-5	
4-Nitrophenol	ND ug/L		55.6	2.0	1	03/03/09 11:30	03/11/09 19:47	100-02-7	
N-Nitrosodimethylamine	ND ug/L		11.1	3.4	1	03/03/09 11:30	03/11/09 19:47	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/L		11.1	4.1	1	03/03/09 11:30	03/11/09 19:47	621-64-7	
N-Nitrosodiphenylamine	ND ug/L		11.1	7.3	1	03/03/09 11:30	03/11/09 19:47	86-30-6	
Pentachlorophenol	ND ug/L		55.6	1.8	1	03/03/09 11:30	03/11/09 19:47	87-86-5	
Phenanthrene	ND ug/L		11.1	3.0	1	03/03/09 11:30	03/11/09 19:47	85-01-8	
Phenol	ND ug/L		11.1	2.0	1	03/03/09 11:30	03/11/09 19:47	108-95-2	
Pyrene	ND ug/L		11.1	3.2	1	03/03/09 11:30	03/11/09 19:47	129-00-0	
1,2,4-Trichlorobenzene	ND ug/L		11.1	3.8	1	03/03/09 11:30	03/11/09 19:47	120-82-1	
2,4,5-Trichlorophenol	ND ug/L		11.1	6.2	1	03/03/09 11:30	03/11/09 19:47	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		11.1	6.8	1	03/03/09 11:30	03/11/09 19:47	88-06-2	
Nitrobenzene-d5 (S)	93 %	30-150		1	03/03/09 11:30	03/11/09 19:47	4165-60-0		
2-Fluorobiphenyl (S)	78 %	30-150		1	03/03/09 11:30	03/11/09 19:47	321-60-8		
Terphenyl-d14 (S)	103 %	30-150		1	03/03/09 11:30	03/11/09 19:47	1718-51-0		
Phenol-d6 (S)	39 %	25-150		1	03/03/09 11:30	03/11/09 19:47	13127-88-3		
2-Fluorophenol (S)	59 %	25-150		1	03/03/09 11:30	03/11/09 19:47	367-12-4		

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY

Pace Project No.: 9238788

Sample: MW-12 Lab ID: 9238788006 Collected: 02/25/09 11:25 Received: 02/25/09 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
2,4,6-Tribromophenol (S)	91 %		25-150		1	03/03/09 11:30	03/11/09 19:47	118-79-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND ug/L		25.0	2.2	1		03/09/09 16:01	67-64-1	
Benzene	ND ug/L		1.0	0.25	1		03/09/09 16:01	71-43-2	
Bromobenzene	ND ug/L		1.0	0.30	1		03/09/09 16:01	108-86-1	
Bromochloromethane	ND ug/L		1.0	0.17	1		03/09/09 16:01	74-97-5	
Bromodichloromethane	ND ug/L		1.0	0.18	1		03/09/09 16:01	75-27-4	
Bromoform	ND ug/L		1.0	0.26	1		03/09/09 16:01	75-25-2	
Bromomethane	ND ug/L		5.0	0.29	1		03/09/09 16:01	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	0.96	1		03/09/09 16:01	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	0.25	1		03/09/09 16:01	56-23-5	
Chlorobenzene	ND ug/L		1.0	0.23	1		03/09/09 16:01	108-90-7	
Chloroethane	ND ug/L		1.0	0.54	1		03/09/09 16:01	75-00-3	
Chloroform	ND ug/L		1.0	0.14	1		03/09/09 16:01	67-66-3	
Chloromethane	ND ug/L		1.0	0.11	1		03/09/09 16:01	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	0.35	1		03/09/09 16:01	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	0.31	1		03/09/09 16:01	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		3.0	2.5	1		03/09/09 16:01	96-12-8	
Dibromochloromethane	ND ug/L		1.0	0.21	1		03/09/09 16:01	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	0.27	1		03/09/09 16:01	106-93-4	
Dibromomethane	ND ug/L		1.0	0.21	1		03/09/09 16:01	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	0.30	1		03/09/09 16:01	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	0.24	1		03/09/09 16:01	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	0.33	1		03/09/09 16:01	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	0.21	1		03/09/09 16:01	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	0.32	1		03/09/09 16:01	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	0.12	1		03/09/09 16:01	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	0.56	1		03/09/09 16:01	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	0.19	1		03/09/09 16:01	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	0.49	1		03/09/09 16:01	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	0.27	1		03/09/09 16:01	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	0.28	1		03/09/09 16:01	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	0.13	1		03/09/09 16:01	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	0.49	1		03/09/09 16:01	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	0.13	1		03/09/09 16:01	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	0.26	1		03/09/09 16:01	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	0.12	1		03/09/09 16:01	108-20-3	
Ethylbenzene	ND ug/L		1.0	0.30	1		03/09/09 16:01	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	0.71	1		03/09/09 16:01	87-68-3	
2-Hexanone	ND ug/L		5.0	0.46	1		03/09/09 16:01	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	0.31	1		03/09/09 16:01	99-87-6	
Methylene Chloride	ND ug/L		2.0	0.97	1		03/09/09 16:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	0.33	1		03/09/09 16:01	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	0.21	1		03/09/09 16:01	1634-04-4	
Naphthalene	ND ug/L		1.0	0.24	1		03/09/09 16:01	91-20-3	

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY  
Pace Project No.: 9238788

Sample: MW-12	Lab ID: 9238788006	Collected: 02/25/09 11:25	Received: 02/25/09 17:45	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260							
Styrene	ND ug/L		1.0	0.26	1		03/09/09 16:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	0.33	1		03/09/09 16:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	0.40	1		03/09/09 16:01	79-34-5	
Tetrachloroethene	ND ug/L		1.0	0.46	1		03/09/09 16:01	127-18-4	
Toluene	ND ug/L		1.0	0.26	1		03/09/09 16:01	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	0.33	1		03/09/09 16:01	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	0.35	1		03/09/09 16:01	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	0.48	1		03/09/09 16:01	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	0.29	1		03/09/09 16:01	79-00-5	
Trichloroethene	ND ug/L		1.0	0.47	1		03/09/09 16:01	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	0.20	1		03/09/09 16:01	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	0.41	1		03/09/09 16:01	96-18-4	
Vinyl acetate	ND ug/L		2.0	0.35	1		03/09/09 16:01	108-05-4	
Vinyl chloride	ND ug/L		1.0	0.62	1		03/09/09 16:01	75-01-4	
m&p-Xylene	ND ug/L		2.0	0.66	1		03/09/09 16:01	1330-20-7	
o-Xylene	ND ug/L		1.0	0.23	1		03/09/09 16:01	95-47-6	
4-Bromofluorobenzene (S)	100 %		87-109		1		03/09/09 16:01	460-00-4	
Dibromofluoromethane (S)	111 %		85-115		1		03/09/09 16:01	1868-53-7	
1,2-Dichloroethane-d4 (S)	111 %		79-120		1		03/09/09 16:01	17060-07-0	
Toluene-d8 (S)	102 %		70-120		1		03/09/09 16:01	2037-26-5	

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY

Pace Project No.: 9238788

Sample: WSW-2 Lab ID: 9238788007 Collected: 02/25/09 15:45 Received: 02/25/09 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Antimony	ND ug/L		5.0	2.6	1	03/02/09 14:30	03/06/09 01:55	7440-36-0	
Arsenic	ND ug/L		5.0	2.7	1	03/02/09 14:30	03/06/09 01:55	7440-38-2	
Beryllium	ND ug/L		1.0	0.10	1	03/02/09 14:30	03/06/09 01:55	7440-41-7	
Cadmium	ND ug/L		1.0	0.50	1	03/02/09 14:30	03/06/09 01:55	7440-43-9	
Chromium	0.42J ug/L		5.0	0.40	1	03/02/09 14:30	03/06/09 01:55	7440-47-3	
Copper	278 ug/L		5.0	0.30	1	03/02/09 14:30	03/06/09 01:55	7440-50-8	
Lead	6.2 ug/L		5.0	4.0	1	03/02/09 14:30	03/06/09 01:55	7439-92-1	
Manganese	11.8 ug/L		5.0	0.30	1	03/02/09 14:30	03/06/09 01:55	7439-96-5	
Nickel	ND ug/L		5.0	1.7	1	03/02/09 14:30	03/06/09 01:55	7440-02-0	
Selenium	ND ug/L		10.0	3.8	1	03/02/09 14:30	03/06/09 01:55	7782-49-2	
Silver	ND ug/L		5.0	0.10	1	03/02/09 14:30	03/06/09 01:55	7440-22-4	
Thallium	ND ug/L		10.0	3.0	1	03/02/09 14:30	03/06/09 01:55	7440-28-0	
Zinc	849 ug/L		10.0	0.40	1	03/02/09 14:30	03/06/09 01:55	7440-66-6	Z2
<b>245.1 Mercury</b> Analytical Method: EPA 245.1 Preparation Method: EPA 245.1									
Mercury	0.39 ug/L		0.20	0.070	1	02/26/09 15:50	02/27/09 14:50	7439-97-6	
<b>8270 MSSV Semivolatile Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Acenaphthene	ND ug/L		12.0	3.4	1	03/03/09 11:30	03/11/09 20:09	83-32-9	
Acenaphthylene	ND ug/L		12.0	3.4	1	03/03/09 11:30	03/11/09 20:09	208-96-8	
Aniline	ND ug/L		12.0	6.1	1	03/03/09 11:30	03/11/09 20:09	62-53-3	
Anthracene	ND ug/L		12.0	3.5	1	03/03/09 11:30	03/11/09 20:09	120-12-7	
Benzo(a)anthracene	ND ug/L		12.0	3.4	1	03/03/09 11:30	03/11/09 20:09	56-55-3	
Benzo(a)pyrene	ND ug/L		12.0	3.7	1	03/03/09 11:30	03/11/09 20:09	50-32-8	
Benzo(b)fluoranthene	ND ug/L		12.0	4.3	1	03/03/09 11:30	03/11/09 20:09	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		12.0	3.7	1	03/03/09 11:30	03/11/09 20:09	191-24-2	
Benzo(k)fluoranthene	ND ug/L		12.0	3.6	1	03/03/09 11:30	03/11/09 20:09	207-08-9	
Benzoic Acid	ND ug/L		60.2	60.2	1	03/03/09 11:30	03/11/09 20:09	65-85-0	
Benzyl alcohol	ND ug/L		24.1	4.3	1	03/03/09 11:30	03/11/09 20:09	100-51-6	
4-Bromophenylphenyl ether	ND ug/L		12.0	2.9	1	03/03/09 11:30	03/11/09 20:09	101-55-3	
Butylbenzylphthalate	ND ug/L		12.0	3.5	1	03/03/09 11:30	03/11/09 20:09	85-68-7	
4-Chloro-3-methylphenol	ND ug/L		24.1	3.4	1	03/03/09 11:30	03/11/09 20:09	59-50-7	
4-Chloroaniline	ND ug/L		60.2	6.4	1	03/03/09 11:30	03/11/09 20:09	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/L		12.0	7.0	1	03/03/09 11:30	03/11/09 20:09	111-91-1	
bis(2-Chloroethyl) ether	ND ug/L		12.0	5.8	1	03/03/09 11:30	03/11/09 20:09	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/L		12.0	4.8	1	03/03/09 11:30	03/11/09 20:09	108-60-1	
2-Chloronaphthalene	ND ug/L		12.0	4.3	1	03/03/09 11:30	03/11/09 20:09	91-58-7	
2-Chlorophenol	ND ug/L		12.0	5.3	1	03/03/09 11:30	03/11/09 20:09	95-57-8	
4-Chlorophenylphenyl ether	ND ug/L		12.0	3.3	1	03/03/09 11:30	03/11/09 20:09	7005-72-3	
Chrysene	ND ug/L		12.0	3.3	1	03/03/09 11:30	03/11/09 20:09	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		12.0	3.5	1	03/03/09 11:30	03/11/09 20:09	53-70-3	
Dibenzofuran	ND ug/L		12.0	3.1	1	03/03/09 11:30	03/11/09 20:09	132-64-9	
1,2-Dichlorobenzene	ND ug/L		12.0	4.1	1	03/03/09 11:30	03/11/09 20:09	95-50-1	
1,3-Dichlorobenzene	ND ug/L		12.0	4.0	1	03/03/09 11:30	03/11/09 20:09	541-73-1	
1,4-Dichlorobenzene	ND ug/L		12.0	4.3	1	03/03/09 11:30	03/11/09 20:09	106-46-7	
3,3'-Dichlorobenzidine	ND ug/L		60.2	4.1	1	03/03/09 11:30	03/11/09 20:09	91-94-1	

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY

Pace Project No.: 9238788

Sample: WSW-2 Lab ID: 9238788007 Collected: 02/25/09 15:45 Received: 02/25/09 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatile Organic</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
2,4-Dichlorophenol	ND ug/L		12.0	7.0	1	03/03/09 11:30	03/11/09 20:09	120-83-2	
Diethylphthalate	ND ug/L		12.0	2.9	1	03/03/09 11:30	03/11/09 20:09	84-66-2	
2,4-Dimethylphenol	ND ug/L		12.0	6.7	1	03/03/09 11:30	03/11/09 20:09	105-67-9	
Dimethylphthalate	ND ug/L		12.0	2.9	1	03/03/09 11:30	03/11/09 20:09	131-11-3	
Di-n-butylphthalate	ND ug/L		12.0	3.5	1	03/03/09 11:30	03/11/09 20:09	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/L		24.1	9.4	1	03/03/09 11:30	03/11/09 20:09	534-52-1	
2,4-Dinitrophenol	ND ug/L		60.2	12.0	1	03/03/09 11:30	03/11/09 20:09	51-28-5	
2,4-Dinitrotoluene	ND ug/L		12.0	3.1	1	03/03/09 11:30	03/11/09 20:09	121-14-2	
2,6-Dinitrotoluene	ND ug/L		12.0	3.4	1	03/03/09 11:30	03/11/09 20:09	606-20-2	
Di-n-octylphthalate	ND ug/L		12.0	3.5	1	03/03/09 11:30	03/11/09 20:09	117-84-0	
1,2-Diphenylhydrazine	ND ug/L		12.0	2.7	1	03/03/09 11:30	03/11/09 20:09	122-66-7	
bis(2-Ethylhexyl)phthalate	ND ug/L		12.0	2.5	1	03/03/09 11:30	03/11/09 20:09	117-81-7	
Fluoranthene	ND ug/L		12.0	3.5	1	03/03/09 11:30	03/11/09 20:09	206-44-0	
Fluorene	ND ug/L		12.0	3.1	1	03/03/09 11:30	03/11/09 20:09	86-73-7	
Hexachloro-1,3-butadiene	ND ug/L		12.0	4.0	1	03/03/09 11:30	03/11/09 20:09	87-68-3	
Hexachlorobenzene	ND ug/L		12.0	3.1	1	03/03/09 11:30	03/11/09 20:09	118-74-1	
Hexachlorocyclopentadiene	ND ug/L		12.0	4.5	1	03/03/09 11:30	03/11/09 20:09	77-47-4	
Hexachloroethane	ND ug/L		12.0	4.0	1	03/03/09 11:30	03/11/09 20:09	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/L		12.0	3.6	1	03/03/09 11:30	03/11/09 20:09	193-39-5	
Isophorone	ND ug/L		12.0	7.8	1	03/03/09 11:30	03/11/09 20:09	78-59-1	
1-Methylnaphthalene	ND ug/L		12.0	4.3	1	03/03/09 11:30	03/11/09 20:09	90-12-0	
2-Methylnaphthalene	ND ug/L		12.0	4.1	1	03/03/09 11:30	03/11/09 20:09	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/L		12.0	4.5	1	03/03/09 11:30	03/11/09 20:09	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/L		12.0	3.6	1	03/03/09 11:30	03/11/09 20:09		
Naphthalene	ND ug/L		12.0	4.6	1	03/03/09 11:30	03/11/09 20:09	91-20-3	
2-Nitroaniline	ND ug/L		60.2	3.3	1	03/03/09 11:30	03/11/09 20:09	88-74-4	
3-Nitroaniline	ND ug/L		60.2	3.6	1	03/03/09 11:30	03/11/09 20:09	99-09-2	
4-Nitroaniline	ND ug/L		60.2	4.8	1	03/03/09 11:30	03/11/09 20:09	100-01-6	
Nitrobenzene	ND ug/L		12.0	5.3	1	03/03/09 11:30	03/11/09 20:09	98-95-3	
2-Nitrophenol	ND ug/L		12.0	5.5	1	03/03/09 11:30	03/11/09 20:09	88-75-5	
4-Nitrophenol	ND ug/L		60.2	2.2	1	03/03/09 11:30	03/11/09 20:09	100-02-7	
N-Nitrosodimethylamine	ND ug/L		12.0	3.7	1	03/03/09 11:30	03/11/09 20:09	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/L		12.0	4.5	1	03/03/09 11:30	03/11/09 20:09	621-64-7	
N-Nitrosodiphenylamine	ND ug/L		12.0	8.0	1	03/03/09 11:30	03/11/09 20:09	86-30-6	
Pentachlorophenol	ND ug/L		60.2	1.9	1	03/03/09 11:30	03/11/09 20:09	87-86-5	
Phenanthrene	ND ug/L		12.0	3.3	1	03/03/09 11:30	03/11/09 20:09	85-01-8	
Phenol	ND ug/L		12.0	2.2	1	03/03/09 11:30	03/11/09 20:09	108-95-2	
Pyrene	ND ug/L		12.0	3.5	1	03/03/09 11:30	03/11/09 20:09	129-00-0	
1,2,4-Trichlorobenzene	ND ug/L		12.0	4.1	1	03/03/09 11:30	03/11/09 20:09	120-82-1	
2,4,5-Trichlorophenol	ND ug/L		12.0	6.7	1	03/03/09 11:30	03/11/09 20:09	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		12.0	7.3	1	03/03/09 11:30	03/11/09 20:09	88-06-2	
Nitrobenzene-d5 (S)	106 %		30-150		1	03/03/09 11:30	03/11/09 20:09	4165-60-0	
2-Fluorobiphenyl (S)	89 %		30-150		1	03/03/09 11:30	03/11/09 20:09	321-60-8	
Terphenyl-d14 (S)	100 %		30-150		1	03/03/09 11:30	03/11/09 20:09	1718-51-0	
Phenol-d6 (S)	40 %		25-150		1	03/03/09 11:30	03/11/09 20:09	13127-88-3	
2-Fluorophenol (S)	63 %		25-150		1	03/03/09 11:30	03/11/09 20:09	367-12-4	

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## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY  
Pace Project No.: 9238788

Sample: WSW-2 Lab ID: 9238788007 Collected: 02/25/09 15:45 Received: 02/25/09 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
2,4,6-Tribromophenol (S)	96 %		25-150		1	03/03/09 11:30	03/11/09 20:09	118-79-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND ug/L		25.0	2.2	1		03/08/09 17:53	67-64-1	
Benzene	ND ug/L		1.0	0.25	1		03/08/09 17:53	71-43-2	
Bromobenzene	ND ug/L		1.0	0.30	1		03/08/09 17:53	108-86-1	
Bromochloromethane	ND ug/L		1.0	0.17	1		03/08/09 17:53	74-97-5	
Bromodichloromethane	ND ug/L		1.0	0.18	1		03/08/09 17:53	75-27-4	
Bromoform	ND ug/L		1.0	0.26	1		03/08/09 17:53	75-25-2	
Bromomethane	ND ug/L		5.0	0.29	1		03/08/09 17:53	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	0.96	1		03/08/09 17:53	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	0.25	1		03/08/09 17:53	56-23-5	
Chlorobenzene	ND ug/L		1.0	0.23	1		03/08/09 17:53	108-90-7	
Chloroethane	ND ug/L		1.0	0.54	1		03/08/09 17:53	75-00-3	
Chloroform	0.79J ug/L		1.0	0.14	1		03/08/09 17:53	67-66-3	pH
Chloromethane	ND ug/L		1.0	0.11	1		03/08/09 17:53	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	0.35	1		03/08/09 17:53	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	0.31	1		03/08/09 17:53	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		3.0	2.5	1		03/08/09 17:53	96-12-8	
Dibromochloromethane	ND ug/L		1.0	0.21	1		03/08/09 17:53	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	0.27	1		03/08/09 17:53	106-93-4	
Dibromomethane	ND ug/L		1.0	0.21	1		03/08/09 17:53	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	0.30	1		03/08/09 17:53	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	0.24	1		03/08/09 17:53	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	0.33	1		03/08/09 17:53	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	0.21	1		03/08/09 17:53	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	0.32	1		03/08/09 17:53	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	0.12	1		03/08/09 17:53	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	0.56	1		03/08/09 17:53	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	0.19	1		03/08/09 17:53	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	0.49	1		03/08/09 17:53	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	0.27	1		03/08/09 17:53	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	0.28	1		03/08/09 17:53	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	0.13	1		03/08/09 17:53	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	0.49	1		03/08/09 17:53	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	0.13	1		03/08/09 17:53	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	0.26	1		03/08/09 17:53	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	0.12	1		03/08/09 17:53	108-20-3	
Ethylbenzene	ND ug/L		1.0	0.30	1		03/08/09 17:53	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	0.71	1		03/08/09 17:53	87-68-3	
2-Hexanone	ND ug/L		5.0	0.46	1		03/08/09 17:53	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	0.31	1		03/08/09 17:53	99-87-6	
Methylene Chloride	ND ug/L		2.0	0.97	1		03/08/09 17:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	0.33	1		03/08/09 17:53	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	0.21	1		03/08/09 17:53	1634-04-4	
Naphthalene	ND ug/L		1.0	0.24	1		03/08/09 17:53	91-20-3	

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY

Pace Project No.: 9238788

Sample: WSW-2 Lab ID: 9238788007 Collected: 02/25/09 15:45 Received: 02/25/09 17:45 Matrix: Water

Parameters	Results	Units	Report				Analyzed	CAS No.	Qual
			Limit	MDL	DF	Prepared			
<b>8260 MSV Low Level</b> Analytical Method: EPA 8260									
Styrene	ND ug/L		1.0	0.26	1		03/08/09 17:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	0.33	1		03/08/09 17:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	0.40	1		03/08/09 17:53	79-34-5	
Tetrachloroethene	ND ug/L		1.0	0.46	1		03/08/09 17:53	127-18-4	
Toluene	ND ug/L		1.0	0.26	1		03/08/09 17:53	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	0.33	1		03/08/09 17:53	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	0.35	1		03/08/09 17:53	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	0.48	1		03/08/09 17:53	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	0.29	1		03/08/09 17:53	79-00-5	
Trichloroethene	ND ug/L		1.0	0.47	1		03/08/09 17:53	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	0.20	1		03/08/09 17:53	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	0.41	1		03/08/09 17:53	96-18-4	
Vinyl acetate	ND ug/L		2.0	0.35	1		03/08/09 17:53	108-05-4	
Vinyl chloride	ND ug/L		1.0	0.62	1		03/08/09 17:53	75-01-4	
m&p-Xylene	ND ug/L		2.0	0.66	1		03/08/09 17:53	1330-20-7	
o-Xylene	ND ug/L		1.0	0.23	1		03/08/09 17:53	95-47-6	
4-Bromofluorobenzene (S)	99 %		87-109		1		03/08/09 17:53	460-00-4	
Dibromofluoromethane (S)	115 %		85-115		1		03/08/09 17:53	1868-53-7	
1,2-Dichloroethane-d4 (S)	118 %		79-120		1		03/08/09 17:53	17060-07-0	
Toluene-d8 (S)	105 %		70-120		1		03/08/09 17:53	2037-26-5	

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY

Pace Project No.: 9238788

Sample: WSW-4 Lab ID: 9238788008 Collected: 02/25/09 15:35 Received: 02/25/09 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Antimony	ND ug/L		5.0	2.6	1	03/02/09 14:30	03/06/09 01:59	7440-36-0	
Arsenic	ND ug/L		5.0	2.7	1	03/02/09 14:30	03/06/09 01:59	7440-38-2	
Beryllium	ND ug/L		1.0	0.10	1	03/02/09 14:30	03/06/09 01:59	7440-41-7	
Cadmium	ND ug/L		1.0	0.50	1	03/02/09 14:30	03/06/09 01:59	7440-43-9	
Chromium	0.64J ug/L		5.0	0.40	1	03/02/09 14:30	03/06/09 01:59	7440-47-3	
Copper	199 ug/L		5.0	0.30	1	03/02/09 14:30	03/06/09 01:59	7440-50-8	
Lead	10.2 ug/L		5.0	4.0	1	03/02/09 14:30	03/06/09 01:59	7439-92-1	
Manganese	4.6J ug/L		5.0	0.30	1	03/02/09 14:30	03/06/09 01:59	7439-96-5	
Nickel	ND ug/L		5.0	1.7	1	03/02/09 14:30	03/06/09 01:59	7440-02-0	
Selenium	ND ug/L		10.0	3.8	1	03/02/09 14:30	03/06/09 01:59	7782-49-2	
Silver	ND ug/L		5.0	0.10	1	03/02/09 14:30	03/06/09 01:59	7440-22-4	
Thallium	ND ug/L		10.0	3.0	1	03/02/09 14:30	03/06/09 01:59	7440-28-0	
Zinc	75.1 ug/L		10.0	0.40	1	03/02/09 14:30	03/06/09 01:59	7440-66-6	Z2
<b>245.1 Mercury</b> Analytical Method: EPA 245.1 Preparation Method: EPA 245.1									
Mercury	ND ug/L		0.20	0.070	1	02/26/09 15:50	02/27/09 14:53	7439-97-6	
<b>8270 MSSV Semivolatile Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Acenaphthene	ND ug/L		10.4	2.9	1	03/03/09 11:30	03/11/09 20:31	83-32-9	
Acenaphthylene	ND ug/L		10.4	2.9	1	03/03/09 11:30	03/11/09 20:31	208-96-8	
Aniline	ND ug/L		10.4	5.3	1	03/03/09 11:30	03/11/09 20:31	62-53-3	
Anthracene	ND ug/L		10.4	3.0	1	03/03/09 11:30	03/11/09 20:31	120-12-7	
Benzo(a)anthracene	ND ug/L		10.4	2.9	1	03/03/09 11:30	03/11/09 20:31	56-55-3	
Benzo(a)pyrene	ND ug/L		10.4	3.2	1	03/03/09 11:30	03/11/09 20:31	50-32-8	
Benzo(b)fluoranthene	ND ug/L		10.4	3.8	1	03/03/09 11:30	03/11/09 20:31	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		10.4	3.2	1	03/03/09 11:30	03/11/09 20:31	191-24-2	
Benzo(k)fluoranthene	ND ug/L		10.4	3.1	1	03/03/09 11:30	03/11/09 20:31	207-08-9	
Benzoic Acid	ND ug/L		52.1	52.1	1	03/03/09 11:30	03/11/09 20:31	65-85-0	
Benzyl alcohol	ND ug/L		20.8	3.8	1	03/03/09 11:30	03/11/09 20:31	100-51-6	
4-Bromophenylphenyl ether	ND ug/L		10.4	2.5	1	03/03/09 11:30	03/11/09 20:31	101-55-3	
Butylbenzylphthalate	ND ug/L		10.4	3.0	1	03/03/09 11:30	03/11/09 20:31	85-68-7	
4-Chloro-3-methylphenol	ND ug/L		20.8	2.9	1	03/03/09 11:30	03/11/09 20:31	59-50-7	
4-Chloroaniline	ND ug/L		52.1	5.5	1	03/03/09 11:30	03/11/09 20:31	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/L		10.4	6.0	1	03/03/09 11:30	03/11/09 20:31	111-91-1	
bis(2-Chloroethyl) ether	ND ug/L		10.4	5.0	1	03/03/09 11:30	03/11/09 20:31	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/L		10.4	4.2	1	03/03/09 11:30	03/11/09 20:31	108-60-1	
2-Chloronaphthalene	ND ug/L		10.4	3.8	1	03/03/09 11:30	03/11/09 20:31	91-58-7	
2-Chlorophenol	ND ug/L		10.4	4.6	1	03/03/09 11:30	03/11/09 20:31	95-57-8	
4-Chlorophenylphenyl ether	ND ug/L		10.4	2.8	1	03/03/09 11:30	03/11/09 20:31	7005-72-3	
Chrysene	ND ug/L		10.4	2.8	1	03/03/09 11:30	03/11/09 20:31	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		10.4	3.0	1	03/03/09 11:30	03/11/09 20:31	53-70-3	
Dibenzofuran	ND ug/L		10.4	2.7	1	03/03/09 11:30	03/11/09 20:31	132-64-9	
1,2-Dichlorobenzene	ND ug/L		10.4	3.5	1	03/03/09 11:30	03/11/09 20:31	95-50-1	
1,3-Dichlorobenzene	ND ug/L		10.4	3.4	1	03/03/09 11:30	03/11/09 20:31	541-73-1	
1,4-Dichlorobenzene	ND ug/L		10.4	3.8	1	03/03/09 11:30	03/11/09 20:31	106-46-7	
3,3'-Dichlorobenzidine	ND ug/L		52.1	3.5	1	03/03/09 11:30	03/11/09 20:31	91-94-1	

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY

Pace Project No.: 9238788

Sample: WSW-4 Lab ID: 9238788008 Collected: 02/25/09 15:35 Received: 02/25/09 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatile Organic</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
2,4-Dichlorophenol	ND ug/L		10.4	6.0	1	03/03/09 11:30	03/11/09 20:31	120-83-2	
Diethylphthalate	ND ug/L		10.4	2.5	1	03/03/09 11:30	03/11/09 20:31	84-66-2	
2,4-Dimethylphenol	ND ug/L		10.4	5.8	1	03/03/09 11:30	03/11/09 20:31	105-67-9	
Dimethylphthalate	ND ug/L		10.4	2.5	1	03/03/09 11:30	03/11/09 20:31	131-11-3	
Di-n-butylphthalate	ND ug/L		10.4	3.0	1	03/03/09 11:30	03/11/09 20:31	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/L		20.8	8.1	1	03/03/09 11:30	03/11/09 20:31	534-52-1	
2,4-Dinitrophenol	ND ug/L		52.1	10.4	1	03/03/09 11:30	03/11/09 20:31	51-28-5	
2,4-Dinitrotoluene	ND ug/L		10.4	2.7	1	03/03/09 11:30	03/11/09 20:31	121-14-2	
2,6-Dinitrotoluene	ND ug/L		10.4	2.9	1	03/03/09 11:30	03/11/09 20:31	606-20-2	
Di-n-octylphthalate	ND ug/L		10.4	3.0	1	03/03/09 11:30	03/11/09 20:31	117-84-0	
1,2-Diphenylhydrazine	ND ug/L		10.4	2.3	1	03/03/09 11:30	03/11/09 20:31	122-66-7	
bis(2-Ethylhexyl)phthalate	ND ug/L		10.4	2.2	1	03/03/09 11:30	03/11/09 20:31	117-81-7	
Fluoranthene	ND ug/L		10.4	3.0	1	03/03/09 11:30	03/11/09 20:31	206-44-0	
Fluorene	ND ug/L		10.4	2.7	1	03/03/09 11:30	03/11/09 20:31	86-73-7	
Hexachloro-1,3-butadiene	ND ug/L		10.4	3.4	1	03/03/09 11:30	03/11/09 20:31	87-68-3	
Hexachlorobenzene	ND ug/L		10.4	2.7	1	03/03/09 11:30	03/11/09 20:31	118-74-1	
Hexachlorocyclopentadiene	ND ug/L		10.4	3.9	1	03/03/09 11:30	03/11/09 20:31	77-47-4	
Hexachloroethane	ND ug/L		10.4	3.4	1	03/03/09 11:30	03/11/09 20:31	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/L		10.4	3.1	1	03/03/09 11:30	03/11/09 20:31	193-39-5	
Isophorone	ND ug/L		10.4	6.8	1	03/03/09 11:30	03/11/09 20:31	78-59-1	
1-Methylnaphthalene	ND ug/L		10.4	3.8	1	03/03/09 11:30	03/11/09 20:31	90-12-0	
2-Methylnaphthalene	ND ug/L		10.4	3.5	1	03/03/09 11:30	03/11/09 20:31	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/L		10.4	3.9	1	03/03/09 11:30	03/11/09 20:31	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/L		10.4	3.1	1	03/03/09 11:30	03/11/09 20:31		
Naphthalene	ND ug/L		10.4	4.0	1	03/03/09 11:30	03/11/09 20:31	91-20-3	
2-Nitroaniline	ND ug/L		52.1	2.8	1	03/03/09 11:30	03/11/09 20:31	88-74-4	
3-Nitroaniline	ND ug/L		52.1	3.1	1	03/03/09 11:30	03/11/09 20:31	99-09-2	
4-Nitroaniline	ND ug/L		52.1	4.2	1	03/03/09 11:30	03/11/09 20:31	100-01-6	
Nitrobenzene	ND ug/L		10.4	4.6	1	03/03/09 11:30	03/11/09 20:31	98-95-3	
2-Nitrophenol	ND ug/L		10.4	4.8	1	03/03/09 11:30	03/11/09 20:31	88-75-5	
4-Nitrophenol	ND ug/L		52.1	1.9	1	03/03/09 11:30	03/11/09 20:31	100-02-7	
N-Nitrosodimethylamine	ND ug/L		10.4	3.2	1	03/03/09 11:30	03/11/09 20:31	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/L		10.4	3.9	1	03/03/09 11:30	03/11/09 20:31	621-64-7	
N-Nitrosodiphenylamine	ND ug/L		10.4	6.9	1	03/03/09 11:30	03/11/09 20:31	86-30-6	
Pentachlorophenol	ND ug/L		52.1	1.7	1	03/03/09 11:30	03/11/09 20:31	87-86-5	
Phenanthrene	ND ug/L		10.4	2.8	1	03/03/09 11:30	03/11/09 20:31	85-01-8	
Phenol	ND ug/L		10.4	1.9	1	03/03/09 11:30	03/11/09 20:31	108-95-2	
Pyrene	ND ug/L		10.4	3.0	1	03/03/09 11:30	03/11/09 20:31	129-00-0	
1,2,4-Trichlorobenzene	ND ug/L		10.4	3.5	1	03/03/09 11:30	03/11/09 20:31	120-82-1	
2,4,5-Trichlorophenol	ND ug/L		10.4	5.8	1	03/03/09 11:30	03/11/09 20:31	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		10.4	6.4	1	03/03/09 11:30	03/11/09 20:31	88-06-2	
Nitrobenzene-d5 (S)	89 %	30-150		1	03/03/09 11:30	03/11/09 20:31	4165-60-0		
2-Fluorobiphenyl (S)	72 %	30-150		1	03/03/09 11:30	03/11/09 20:31	321-60-8		
Terphenyl-d14 (S)	89 %	30-150		1	03/03/09 11:30	03/11/09 20:31	1718-51-0		
Phenol-d6 (S)	30 %	25-150		1	03/03/09 11:30	03/11/09 20:31	13127-88-3		
2-Fluorophenol (S)	49 %	25-150		1	03/03/09 11:30	03/11/09 20:31	367-12-4		

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY

Pace Project No.: 9238788

Sample: WSW-4 Lab ID: 9238788008 Collected: 02/25/09 15:35 Received: 02/25/09 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatile Organic</b>	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
2,4,6-Tribromophenol (S)	79 %		25-150		1	03/03/09 11:30	03/11/09 20:31	118-79-6	
<b>8260 MSV Low Level</b>	Analytical Method: EPA 8260								
Acetone	ND ug/L		25.0	2.2	1		03/08/09 18:17	67-64-1	
Benzene	ND ug/L		1.0	0.25	1		03/08/09 18:17	71-43-2	
Bromobenzene	ND ug/L		1.0	0.30	1		03/08/09 18:17	108-86-1	
Bromochloromethane	ND ug/L		1.0	0.17	1		03/08/09 18:17	74-97-5	
Bromodichloromethane	ND ug/L		1.0	0.18	1		03/08/09 18:17	75-27-4	
Bromoform	ND ug/L		1.0	0.26	1		03/08/09 18:17	75-25-2	
Bromomethane	ND ug/L		5.0	0.29	1		03/08/09 18:17	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	0.96	1		03/08/09 18:17	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	0.25	1		03/08/09 18:17	56-23-5	
Chlorobenzene	ND ug/L		1.0	0.23	1		03/08/09 18:17	108-90-7	
Chloroethane	ND ug/L		1.0	0.54	1		03/08/09 18:17	75-00-3	
Chloroform	0.44J ug/L		1.0	0.14	1		03/08/09 18:17	67-66-3	
Chloromethane	ND ug/L		1.0	0.11	1		03/08/09 18:17	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	0.35	1		03/08/09 18:17	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	0.31	1		03/08/09 18:17	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		3.0	2.5	1		03/08/09 18:17	96-12-8	
Dibromochloromethane	ND ug/L		1.0	0.21	1		03/08/09 18:17	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	0.27	1		03/08/09 18:17	106-93-4	
Dibromomethane	ND ug/L		1.0	0.21	1		03/08/09 18:17	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	0.30	1		03/08/09 18:17	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	0.24	1		03/08/09 18:17	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	0.33	1		03/08/09 18:17	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	0.21	1		03/08/09 18:17	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	0.32	1		03/08/09 18:17	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	0.12	1		03/08/09 18:17	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	0.56	1		03/08/09 18:17	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	0.19	1		03/08/09 18:17	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	0.49	1		03/08/09 18:17	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	0.27	1		03/08/09 18:17	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	0.28	1		03/08/09 18:17	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	0.13	1		03/08/09 18:17	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	0.49	1		03/08/09 18:17	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	0.13	1		03/08/09 18:17	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	0.26	1		03/08/09 18:17	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	0.12	1		03/08/09 18:17	108-20-3	
Ethylbenzene	ND ug/L		1.0	0.30	1		03/08/09 18:17	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	0.71	1		03/08/09 18:17	87-68-3	
2-Hexanone	ND ug/L		5.0	0.46	1		03/08/09 18:17	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	0.31	1		03/08/09 18:17	99-87-6	
Methylene Chloride	ND ug/L		2.0	0.97	1		03/08/09 18:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	0.33	1		03/08/09 18:17	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	0.21	1		03/08/09 18:17	1634-04-4	
Naphthalene	ND ug/L		1.0	0.24	1		03/08/09 18:17	91-20-3	

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY  
 Pace Project No.: 9238788

Sample: WSW-4      Lab ID: 9238788008      Collected: 02/25/09 15:35      Received: 02/25/09 17:45      Matrix: Water

Parameters	Results	Units	Report		Prepared	Analyzed	CAS No.	Qual				
			Limit	MDL								
<b>8260 MSV Low Level</b>												
			Analytical Method: EPA 8260									
Styrene	ND	ug/L	1.0	0.26	1	03/08/09 18:17	100-42-5					
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1	03/08/09 18:17	630-20-6					
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1	03/08/09 18:17	79-34-5					
Tetrachloroethene	ND	ug/L	1.0	0.46	1	03/08/09 18:17	127-18-4					
Toluene	ND	ug/L	1.0	0.26	1	03/08/09 18:17	108-88-3					
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.33	1	03/08/09 18:17	87-61-6					
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.35	1	03/08/09 18:17	120-82-1					
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1	03/08/09 18:17	71-55-6					
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1	03/08/09 18:17	79-00-5					
Trichloroethene	ND	ug/L	1.0	0.47	1	03/08/09 18:17	79-01-6					
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1	03/08/09 18:17	75-69-4					
1,2,3-Trichloroproppane	ND	ug/L	1.0	0.41	1	03/08/09 18:17	96-18-4					
Vinyl acetate	ND	ug/L	2.0	0.35	1	03/08/09 18:17	108-05-4					
Vinyl chloride	ND	ug/L	1.0	0.62	1	03/08/09 18:17	75-01-4					
m&p-Xylene	ND	ug/L	2.0	0.66	1	03/08/09 18:17	1330-20-7					
o-Xylene	ND	ug/L	1.0	0.23	1	03/08/09 18:17	95-47-6					
4-Bromofluorobenzene (S)	98 %		87-109		1	03/08/09 18:17	460-00-4					
Dibromofluoromethane (S)	115 %		85-115		1	03/08/09 18:17	1868-53-7					
1,2-Dichloroethane-d4 (S)	119 %		79-120		1	03/08/09 18:17	17060-07-0					
Toluene-d8 (S)	102 %		70-120		1	03/08/09 18:17	2037-26-5					

## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY

Pace Project No.: 9238788

Sample: WSW-5      Lab ID: 9238788009      Collected: 02/25/09 16:10      Received: 02/25/09 17:45      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b> Analytical Method: EPA 6010 Preparation Method: EPA 3010									
Antimony	ND ug/L		5.0	2.6	1	03/02/09 14:30	03/06/09 02:02	7440-36-0	
Arsenic	ND ug/L		5.0	2.7	1	03/02/09 14:30	03/06/09 02:02	7440-38-2	
Beryllium	ND ug/L		1.0	0.10	1	03/02/09 14:30	03/06/09 02:02	7440-41-7	
Cadmium	ND ug/L		1.0	0.50	1	03/02/09 14:30	03/06/09 02:02	7440-43-9	
Chromium	2.5J ug/L		5.0	0.40	1	03/02/09 14:30	03/06/09 02:02	7440-47-3	
Copper	93.1 ug/L		5.0	0.30	1	03/02/09 14:30	03/06/09 02:02	7440-50-8	
Lead	ND ug/L		5.0	4.0	1	03/02/09 14:30	03/06/09 02:02	7439-92-1	
Manganese	2.1J ug/L		5.0	0.30	1	03/02/09 14:30	03/06/09 02:02	7439-96-5	
Nickel	ND ug/L		5.0	1.7	1	03/02/09 14:30	03/06/09 02:02	7440-02-0	
Selenium	ND ug/L		10.0	3.8	1	03/02/09 14:30	03/06/09 02:02	7782-49-2	
Silver	0.11J ug/L		5.0	0.10	1	03/02/09 14:30	03/06/09 02:02	7440-22-4	
Thallium	ND ug/L		10.0	3.0	1	03/02/09 14:30	03/06/09 02:02	7440-28-0	
Zinc	140 ug/L		10.0	0.40	1	03/02/09 14:30	03/06/09 02:02	7440-66-6	Z2
<b>245.1 Mercury</b> Analytical Method: EPA 245.1 Preparation Method: EPA 245.1									
Mercury	ND ug/L		0.20	0.070	1	02/26/09 15:50	02/27/09 15:01	7439-97-6	
<b>8270 MSSV Semivolatile Organic</b> Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Acenaphthene	ND ug/L		10.5	2.9	1	03/03/09 11:30	03/11/09 20:53	83-32-9	
Acenaphthylene	ND ug/L		10.5	2.9	1	03/03/09 11:30	03/11/09 20:53	208-96-8	
Aniline	ND ug/L		10.5	5.4	1	03/03/09 11:30	03/11/09 20:53	62-53-3	
Anthracene	ND ug/L		10.5	3.1	1	03/03/09 11:30	03/11/09 20:53	120-12-7	
Benzo(a)anthracene	ND ug/L		10.5	2.9	1	03/03/09 11:30	03/11/09 20:53	56-55-3	
Benzo(a)pyrene	ND ug/L		10.5	3.3	1	03/03/09 11:30	03/11/09 20:53	50-32-8	
Benzo(b)fluoranthene	ND ug/L		10.5	3.8	1	03/03/09 11:30	03/11/09 20:53	205-99-2	
Benzo(g,h,i)perylene	ND ug/L		10.5	3.3	1	03/03/09 11:30	03/11/09 20:53	191-24-2	
Benzo(k)fluoranthene	ND ug/L		10.5	3.2	1	03/03/09 11:30	03/11/09 20:53	207-08-9	
Benzoic Acid	ND ug/L		52.6	52.6	1	03/03/09 11:30	03/11/09 20:53	65-85-0	
Benzyl alcohol	ND ug/L		21.1	3.8	1	03/03/09 11:30	03/11/09 20:53	100-51-6	
4-Bromophenylphenyl ether	ND ug/L		10.5	2.5	1	03/03/09 11:30	03/11/09 20:53	101-55-3	
Butylbenzylphthalate	ND ug/L		10.5	3.1	1	03/03/09 11:30	03/11/09 20:53	85-68-7	
4-Chloro-3-methylphenol	ND ug/L		21.1	2.9	1	03/03/09 11:30	03/11/09 20:53	59-50-7	
4-Chloroaniline	ND ug/L		52.6	5.6	1	03/03/09 11:30	03/11/09 20:53	106-47-8	
bis(2-Chloroethoxy)methane	ND ug/L		10.5	6.1	1	03/03/09 11:30	03/11/09 20:53	111-91-1	
bis(2-Chloroethyl) ether	ND ug/L		10.5	5.1	1	03/03/09 11:30	03/11/09 20:53	111-44-4	
bis(2-Chloroisopropyl) ether	ND ug/L		10.5	4.2	1	03/03/09 11:30	03/11/09 20:53	108-60-1	
2-Chloronaphthalene	ND ug/L		10.5	3.8	1	03/03/09 11:30	03/11/09 20:53	91-58-7	
2-Chlorophenol	ND ug/L		10.5	4.6	1	03/03/09 11:30	03/11/09 20:53	95-57-8	
4-Chlorophenylphenyl ether	ND ug/L		10.5	2.8	1	03/03/09 11:30	03/11/09 20:53	7005-72-3	
Chrysene	ND ug/L		10.5	2.8	1	03/03/09 11:30	03/11/09 20:53	218-01-9	
Dibenz(a,h)anthracene	ND ug/L		10.5	3.1	1	03/03/09 11:30	03/11/09 20:53	53-70-3	
Dibenzofuran	ND ug/L		10.5	2.7	1	03/03/09 11:30	03/11/09 20:53	132-64-9	
1,2-Dichlorobenzene	ND ug/L		10.5	3.6	1	03/03/09 11:30	03/11/09 20:53	95-50-1	
1,3-Dichlorobenzene	ND ug/L		10.5	3.5	1	03/03/09 11:30	03/11/09 20:53	541-73-1	
1,4-Dichlorobenzene	ND ug/L		10.5	3.8	1	03/03/09 11:30	03/11/09 20:53	106-46-7	
3,3'-Dichlorobenzidine	ND ug/L		52.6	3.6	1	03/03/09 11:30	03/11/09 20:53	91-94-1	

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY

Pace Project No.: 9238788

Sample: WSW-5 Lab ID: 9238788009 Collected: 02/25/09 16:10 Received: 02/25/09 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>8270 MSSV Semivolatile Organic</b>		Analytical Method: EPA 8270 Preparation Method: EPA 3510							
2,4-Dichlorophenol	ND ug/L		10.5	6.1	1	03/03/09 11:30	03/11/09 20:53	120-83-2	
Diethylphthalate	ND ug/L		10.5	2.5	1	03/03/09 11:30	03/11/09 20:53	84-66-2	
2,4-Dimethylphenol	ND ug/L		10.5	5.9	1	03/03/09 11:30	03/11/09 20:53	105-67-9	
Dimethylphthalate	ND ug/L		10.5	2.5	1	03/03/09 11:30	03/11/09 20:53	131-11-3	
Di-n-butylphthalate	ND ug/L		10.5	3.1	1	03/03/09 11:30	03/11/09 20:53	84-74-2	
4,6-Dinitro-2-methylphenol	ND ug/L		21.1	8.2	1	03/03/09 11:30	03/11/09 20:53	534-52-1	
2,4-Dinitrophenol	ND ug/L		52.6	10.5	1	03/03/09 11:30	03/11/09 20:53	51-28-5	
2,4-Dinitrotoluene	ND ug/L		10.5	2.7	1	03/03/09 11:30	03/11/09 20:53	121-14-2	
2,6-Dinitrotoluene	ND ug/L		10.5	2.9	1	03/03/09 11:30	03/11/09 20:53	606-20-2	
Di-n-octylphthalate	ND ug/L		10.5	3.1	1	03/03/09 11:30	03/11/09 20:53	117-84-0	
1,2-Diphenylhydrazine	ND ug/L		10.5	2.3	1	03/03/09 11:30	03/11/09 20:53	122-66-7	
bis(2-Ethylhexyl)phthalate	ND ug/L		10.5	2.2	1	03/03/09 11:30	03/11/09 20:53	117-81-7	
Fluoranthene	ND ug/L		10.5	3.1	1	03/03/09 11:30	03/11/09 20:53	206-44-0	
Fluorene	ND ug/L		10.5	2.7	1	03/03/09 11:30	03/11/09 20:53	86-73-7	
Hexachloro-1,3-butadiene	ND ug/L		10.5	3.5	1	03/03/09 11:30	03/11/09 20:53	87-68-3	
Hexachlorobenzene	ND ug/L		10.5	2.7	1	03/03/09 11:30	03/11/09 20:53	118-74-1	
Hexachlorocyclopentadiene	ND ug/L		10.5	3.9	1	03/03/09 11:30	03/11/09 20:53	77-47-4	
Hexachloroethane	ND ug/L		10.5	3.5	1	03/03/09 11:30	03/11/09 20:53	67-72-1	
Indeno(1,2,3-cd)pyrene	ND ug/L		10.5	3.2	1	03/03/09 11:30	03/11/09 20:53	193-39-5	
Isophorone	ND ug/L		10.5	6.8	1	03/03/09 11:30	03/11/09 20:53	78-59-1	
1-Methylnaphthalene	ND ug/L		10.5	3.8	1	03/03/09 11:30	03/11/09 20:53	90-12-0	
2-Methylnaphthalene	ND ug/L		10.5	3.6	1	03/03/09 11:30	03/11/09 20:53	91-57-6	
2-Methylphenol(o-Cresol)	ND ug/L		10.5	3.9	1	03/03/09 11:30	03/11/09 20:53	95-48-7	
3&4-Methylphenol(m&p Cresol)	ND ug/L		10.5	3.2	1	03/03/09 11:30	03/11/09 20:53		
Naphthalene	ND ug/L		10.5	4.0	1	03/03/09 11:30	03/11/09 20:53	91-20-3	
2-Nitroaniline	ND ug/L		52.6	2.8	1	03/03/09 11:30	03/11/09 20:53	88-74-4	
3-Nitroaniline	ND ug/L		52.6	3.2	1	03/03/09 11:30	03/11/09 20:53	99-09-2	
4-Nitroaniline	ND ug/L		52.6	4.2	1	03/03/09 11:30	03/11/09 20:53	100-01-6	
Nitrobenzene	ND ug/L		10.5	4.6	1	03/03/09 11:30	03/11/09 20:53	98-95-3	
2-Nitrophenol	ND ug/L		10.5	4.8	1	03/03/09 11:30	03/11/09 20:53	88-75-5	
4-Nitrophenol	ND ug/L		52.6	1.9	1	03/03/09 11:30	03/11/09 20:53	100-02-7	
N-Nitrosodimethylamine	ND ug/L		10.5	3.3	1	03/03/09 11:30	03/11/09 20:53	62-75-9	
N-Nitroso-di-n-propylamine	ND ug/L		10.5	3.9	1	03/03/09 11:30	03/11/09 20:53	621-64-7	
N-Nitrosodiphenylamine	ND ug/L		10.5	6.9	1	03/03/09 11:30	03/11/09 20:53	86-30-6	
Pentachlorophenol	ND ug/L		52.6	1.7	1	03/03/09 11:30	03/11/09 20:53	87-86-5	
Phenanthrene	ND ug/L		10.5	2.8	1	03/03/09 11:30	03/11/09 20:53	85-01-8	
Phenol	ND ug/L		10.5	1.9	1	03/03/09 11:30	03/11/09 20:53	108-95-2	
Pyrene	ND ug/L		10.5	3.1	1	03/03/09 11:30	03/11/09 20:53	129-00-0	
1,2,4-Trichlorobenzene	ND ug/L		10.5	3.6	1	03/03/09 11:30	03/11/09 20:53	120-82-1	
2,4,5-Trichlorophenol	ND ug/L		10.5	5.9	1	03/03/09 11:30	03/11/09 20:53	95-95-4	
2,4,6-Trichlorophenol	ND ug/L		10.5	6.4	1	03/03/09 11:30	03/11/09 20:53	88-06-2	
Nitrobenzene-d5 (S)	89 %	30-150		1	03/03/09 11:30	03/11/09 20:53	4165-60-0		
2-Fluorobiphenyl (S)	75 %	30-150		1	03/03/09 11:30	03/11/09 20:53	321-60-8		
Terphenyl-d14 (S)	97 %	30-150		1	03/03/09 11:30	03/11/09 20:53	1718-51-0		
Phenol-d6 (S)	32 %	25-150		1	03/03/09 11:30	03/11/09 20:53	13127-88-3		
2-Fluorophenol (S)	52 %	25-150		1	03/03/09 11:30	03/11/09 20:53	367-12-4		

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY

Pace Project No.: 9238788

Sample: WSW-5 Lab ID: 9238788009 Collected: 02/25/09 16:10 Received: 02/25/09 17:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Semivolatile Organic	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
2,4,6-Tribromophenol (S)	83 %		25-150		1	03/03/09 11:30	03/11/09 20:53	118-79-6	
8260 MSV Low Level	Analytical Method: EPA 8260								
Acetone	ND ug/L		25.0	2.2	1		03/08/09 18:40	67-64-1	
Benzene	ND ug/L		1.0	0.25	1		03/08/09 18:40	71-43-2	
Bromobenzene	ND ug/L		1.0	0.30	1		03/08/09 18:40	108-86-1	
Bromochloromethane	ND ug/L		1.0	0.17	1		03/08/09 18:40	74-97-5	
Bromodichloromethane	ND ug/L		1.0	0.18	1		03/08/09 18:40	75-27-4	
Bromoform	ND ug/L		1.0	0.26	1		03/08/09 18:40	75-25-2	
Bromomethane	ND ug/L		5.0	0.29	1		03/08/09 18:40	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	0.96	1		03/08/09 18:40	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	0.25	1		03/08/09 18:40	56-23-5	
Chlorobenzene	ND ug/L		1.0	0.23	1		03/08/09 18:40	108-90-7	
Chloroethane	ND ug/L		1.0	0.54	1		03/08/09 18:40	75-00-3	
Chloroform	0.85J ug/L		1.0	0.14	1		03/08/09 18:40	67-66-3	
Chloromethane	ND ug/L		1.0	0.11	1		03/08/09 18:40	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	0.35	1		03/08/09 18:40	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	0.31	1		03/08/09 18:40	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		3.0	2.5	1		03/08/09 18:40	96-12-8	
Dibromochloromethane	ND ug/L		1.0	0.21	1		03/08/09 18:40	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	0.27	1		03/08/09 18:40	106-93-4	
Dibromomethane	ND ug/L		1.0	0.21	1		03/08/09 18:40	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	0.30	1		03/08/09 18:40	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	0.24	1		03/08/09 18:40	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	0.33	1		03/08/09 18:40	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	0.21	1		03/08/09 18:40	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	0.32	1		03/08/09 18:40	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	0.12	1		03/08/09 18:40	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	0.56	1		03/08/09 18:40	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	0.19	1		03/08/09 18:40	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	0.49	1		03/08/09 18:40	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	0.27	1		03/08/09 18:40	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	0.28	1		03/08/09 18:40	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	0.13	1		03/08/09 18:40	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	0.49	1		03/08/09 18:40	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	0.13	1		03/08/09 18:40	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	0.26	1		03/08/09 18:40	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	0.12	1		03/08/09 18:40	108-20-3	
Ethylbenzene	ND ug/L		1.0	0.30	1		03/08/09 18:40	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	0.71	1		03/08/09 18:40	87-68-3	
2-Hexanone	ND ug/L		5.0	0.46	1		03/08/09 18:40	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	0.31	1		03/08/09 18:40	99-87-6	
Methylene Chloride	ND ug/L		2.0	0.97	1		03/08/09 18:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	0.33	1		03/08/09 18:40	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	0.21	1		03/08/09 18:40	1634-04-4	
Naphthalene	ND ug/L		1.0	0.24	1		03/08/09 18:40	91-20-3	

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## ANALYTICAL RESULTS

Project: NC DFR-MT HOLLY

Pace Project No.: 9238788

Sample: WSW-5 Lab ID: 9238788009 Collected: 02/25/09 16:10 Received: 02/25/09 17:45 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual				
			Limit	MDL	DF								
<b>8260 MSV Low Level</b>													
			Analytical Method: EPA 8260										
Styrene	ND ug/L		1.0	0.26	1		03/08/09 18:40	100-42-5					
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	0.33	1		03/08/09 18:40	630-20-6					
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	0.40	1		03/08/09 18:40	79-34-5					
Tetrachloroethene	ND ug/L		1.0	0.46	1		03/08/09 18:40	127-18-4					
Toluene	ND ug/L		1.0	0.26	1		03/08/09 18:40	108-88-3					
1,2,3-Trichlorobenzene	ND ug/L		1.0	0.33	1		03/08/09 18:40	87-61-6					
1,2,4-Trichlorobenzene	ND ug/L		1.0	0.35	1		03/08/09 18:40	120-82-1					
1,1,1-Trichloroethane	ND ug/L		1.0	0.48	1		03/08/09 18:40	71-55-6					
1,1,2-Trichloroethane	ND ug/L		1.0	0.29	1		03/08/09 18:40	79-00-5					
Trichloroethene	ND ug/L		1.0	0.47	1		03/08/09 18:40	79-01-6					
Trichlorofluoromethane	ND ug/L		1.0	0.20	1		03/08/09 18:40	75-69-4					
1,2,3-Trichloropropane	ND ug/L		1.0	0.41	1		03/08/09 18:40	96-18-4					
Vinyl acetate	ND ug/L		2.0	0.35	1		03/08/09 18:40	108-05-4					
Vinyl chloride	ND ug/L		1.0	0.62	1		03/08/09 18:40	75-01-4					
m&p-Xylene	ND ug/L		2.0	0.66	1		03/08/09 18:40	1330-20-7					
o-Xylene	ND ug/L		1.0	0.23	1		03/08/09 18:40	95-47-6					
4-Bromofluorobenzene (S)	98 %		87-109		1		03/08/09 18:40	460-00-4					
Dibromofluoromethane (S)	113 %		85-115		1		03/08/09 18:40	1868-53-7					
1,2-Dichloroethane-d4 (S)	117 %		79-120		1		03/08/09 18:40	17060-07-0					
Toluene-d8 (S)	103 %		70-120		1		03/08/09 18:40	2037-26-5					

## QUALITY CONTROL DATA

Project: NC DFR-MT HOLLY

Pace Project No.: 9238788

QC Batch:	MPRP/3905	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3010	Analysis Description:	6010 MET
Associated Lab Samples:	9238788001, 9238788002		

METHOD BLANK: 243821 Matrix: Water

Associated Lab Samples: 9238788001, 9238788002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	5.0	03/05/09 23:13	
Arsenic	ug/L	ND	5.0	03/05/09 23:13	
Beryllium	ug/L	ND	1.0	03/05/09 23:13	
Cadmium	ug/L	ND	1.0	03/05/09 23:13	
Chromium	ug/L	ND	5.0	03/05/09 23:13	
Copper	ug/L	ND	5.0	03/05/09 23:13	
Lead	ug/L	ND	5.0	03/05/09 23:13	
Manganese	ug/L	ND	5.0	03/05/09 23:13	
Nickel	ug/L	ND	5.0	03/05/09 23:13	
Selenium	ug/L	ND	10.0	03/05/09 23:13	
Silver	ug/L	ND	5.0	03/05/09 23:13	
Thallium	ug/L	ND	10.0	03/05/09 23:13	
Zinc	ug/L	3.7J	10.0	03/05/09 23:13	

LABORATORY CONTROL SAMPLE: 243822

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	487	97	80-120	
Arsenic	ug/L	500	483	97	80-120	
Beryllium	ug/L	500	489	98	80-120	
Cadmium	ug/L	500	503	101	80-120	
Chromium	ug/L	500	492	98	80-120	
Copper	ug/L	500	463	93	80-120	
Lead	ug/L	500	503	101	80-120	
Manganese	ug/L	500	495	99	80-120	
Nickel	ug/L	500	481	96	80-120	
Selenium	ug/L	500	484	97	80-120	
Silver	ug/L	250	246	98	80-120	
Thallium	ug/L	500	515	103	80-120	
Zinc	ug/L	500	507	101	80-120	

MATRIX SPIKE SAMPLE: 243823

Parameter	Units	9238862005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	458	92	75-125	
Arsenic	ug/L	ND	500	469	93	75-125	
Beryllium	ug/L	ND	500	462	92	75-125	
Cadmium	ug/L	ND	500	472	94	75-125	
Chromium	ug/L	ND	500	453	90	75-125	
Copper	ug/L	ND	500	449	89	75-125	

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## QUALITY CONTROL DATA

Project: NC DFR-MT HOLLY

Pace Project No.: 9238788

MATRIX SPIKE SAMPLE: 243823

Parameter	Units	9238862005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	ND	500	470	93	75-125	
Manganese	ug/L	1390	500	1770	77	75-125	
Nickel	ug/L	ND	500	447	89	75-125	
Selenium	ug/L	ND	500	473	94	75-125	
Silver	ug/L	ND	250	238	95	75-125	
Thallium	ug/L	ND	500	489	97	75-125	
Zinc	ug/L	58.7	500	528	94	75-125	

SAMPLE DUPLICATE: 243824

Parameter	Units	9238862006 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	ND	ND		20	
Arsenic	ug/L	ND	ND		20	
Beryllium	ug/L	ND	0.34J		20	
Cadmium	ug/L	ND	ND		20	
Chromium	ug/L	ND	4.9J		20	
Copper	ug/L	ND	2.3J		20	
Lead	ug/L	ND	ND		20	
Manganese	ug/L	4950	5040	2	20	
Nickel	ug/L	6.3	5.8	9	20	
Selenium	ug/L	ND	ND		20	
Silver	ug/L	ND	0.13J		20	
Thallium	ug/L	ND	ND		20	
Zinc	ug/L	30.5	32.2	5	20	

## QUALITY CONTROL DATA

Project: NC DFR-MT HOLLY

Pace Project No.: 9238788

QC Batch:	OEXT/6039	Analysis Method:	EPA 8270
QC Batch Method:	EPA 3510	Analysis Description:	8270 Water MSSV
Associated Lab Samples:	9238788001, 9238788002, 9238788003, 9238788004, 9238788005, 9238788006, 9238788007, 9238788008, 9238788009		

METHOD BLANK: 244166                          Matrix: Water

Associated Lab Samples: 9238788001, 9238788002, 9238788003, 9238788004, 9238788005, 9238788006, 9238788007, 9238788008, 9238788009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trichlorobenzene	ug/L	ND	10.0	03/04/09 14:40	
1,2-Dichlorobenzene	ug/L	ND	10.0	03/04/09 14:40	
1,2-Diphenylhydrazine	ug/L	ND	10.0	03/04/09 14:40	
1,3-Dichlorobenzene	ug/L	ND	10.0	03/04/09 14:40	
1,4-Dichlorobenzene	ug/L	ND	10.0	03/04/09 14:40	
1-Methylnaphthalene	ug/L	ND	10.0	03/04/09 14:40	
2,4,5-Trichlorophenol	ug/L	ND	10.0	03/04/09 14:40	
2,4,6-Trichlorophenol	ug/L	ND	10.0	03/04/09 14:40	
2,4-Dichlorophenol	ug/L	ND	10.0	03/04/09 14:40	
2,4-Dimethylphenol	ug/L	ND	10.0	03/04/09 14:40	
2,4-Dinitrophenol	ug/L	ND	50.0	03/04/09 14:40	
2,4-Dinitrotoluene	ug/L	ND	10.0	03/04/09 14:40	
2,6-Dinitrotoluene	ug/L	ND	10.0	03/04/09 14:40	
2-Chloronaphthalene	ug/L	ND	10.0	03/04/09 14:40	
2-Chlorophenol	ug/L	ND	10.0	03/04/09 14:40	
2-Methylnaphthalene	ug/L	ND	10.0	03/04/09 14:40	
2-Methylphenol(o-Cresol)	ug/L	ND	10.0	03/04/09 14:40	
2-Nitroaniline	ug/L	ND	50.0	03/04/09 14:40	
2-Nitrophenol	ug/L	ND	10.0	03/04/09 14:40	
3&4-Methylphenol(m&p Cresol)	ug/L	ND	10.0	03/04/09 14:40	
3,3'-Dichlorobenzidine	ug/L	ND	50.0	03/04/09 14:40	
3-Nitroaniline	ug/L	ND	50.0	03/04/09 14:40	
4,6-Dinitro-2-methylphenol	ug/L	ND	20.0	03/04/09 14:40	
4-Bromophenylphenyl ether	ug/L	ND	10.0	03/04/09 14:40	
4-Chloro-3-methylphenol	ug/L	ND	20.0	03/04/09 14:40	
4-Chloroaniline	ug/L	ND	50.0	03/04/09 14:40	
4-Chlorophenylphenyl ether	ug/L	ND	10.0	03/04/09 14:40	
4-Nitroaniline	ug/L	ND	50.0	03/04/09 14:40	
4-Nitrophenol	ug/L	ND	50.0	03/04/09 14:40	
Acenaphthene	ug/L	ND	10.0	03/04/09 14:40	
Acenaphthylene	ug/L	ND	10.0	03/04/09 14:40	
Aniline	ug/L	ND	10.0	03/04/09 14:40	
Anthracene	ug/L	ND	10.0	03/04/09 14:40	
Benzo(a)anthracene	ug/L	ND	10.0	03/04/09 14:40	
Benzo(a)pyrene	ug/L	ND	10.0	03/04/09 14:40	
Benzo(b)fluoranthene	ug/L	ND	10.0	03/04/09 14:40	
Benzo(g,h,i)perylene	ug/L	ND	10.0	03/04/09 14:40	
Benzo(k)fluoranthene	ug/L	ND	10.0	03/04/09 14:40	
Benzoic Acid	ug/L	ND	50.0	03/04/09 14:40	
Benzyl alcohol	ug/L	ND	20.0	03/04/09 14:40	
bis(2-Chloroethoxy)methane	ug/L	ND	10.0	03/04/09 14:40	

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## QUALITY CONTROL DATA

Project: NC DFR-MT HOLLY  
Pace Project No.: 9238788

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METHOD BLANK: 244166 Matrix: Water

Associated Lab Samples: 9238788001, 9238788002, 9238788003, 9238788004, 9238788005, 9238788006, 9238788007, 9238788008, 9238788009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
bis(2-Chloroethyl) ether	ug/L	ND	10.0	03/04/09 14:40	
bis(2-Chloroisopropyl) ether	ug/L	ND	10.0	03/04/09 14:40	
bis(2-Ethylhexyl)phthalate	ug/L	ND	10.0	03/04/09 14:40	
Butylbenzylphthalate	ug/L	ND	10.0	03/04/09 14:40	
Chrysene	ug/L	ND	10.0	03/04/09 14:40	
Di-n-butylphthalate	ug/L	ND	10.0	03/04/09 14:40	
Di-n-octylphthalate	ug/L	ND	10.0	03/04/09 14:40	
Dibenz(a,h)anthracene	ug/L	ND	10.0	03/04/09 14:40	
Dibenzofuran	ug/L	ND	10.0	03/04/09 14:40	
Diethylphthalate	ug/L	ND	10.0	03/04/09 14:40	
Dimethylphthalate	ug/L	ND	10.0	03/04/09 14:40	
Fluoranthene	ug/L	ND	10.0	03/04/09 14:40	
Fluorene	ug/L	ND	10.0	03/04/09 14:40	
Hexachloro-1,3-butadiene	ug/L	ND	10.0	03/04/09 14:40	
Hexachlorobenzene	ug/L	ND	10.0	03/04/09 14:40	
Hexachlorocyclopentadiene	ug/L	ND	10.0	03/04/09 14:40	
Hexachloroethane	ug/L	ND	10.0	03/04/09 14:40	
Indeno(1,2,3-cd)pyrene	ug/L	ND	10.0	03/04/09 14:40	
Isophorone	ug/L	ND	10.0	03/04/09 14:40	
N-Nitroso-di-n-propylamine	ug/L	ND	10.0	03/04/09 14:40	
N-Nitrosodimethylamine	ug/L	ND	10.0	03/04/09 14:40	
N-Nitrosodiphenylamine	ug/L	ND	10.0	03/04/09 14:40	
Naphthalene	ug/L	ND	10.0	03/04/09 14:40	
Nitrobenzene	ug/L	ND	10.0	03/04/09 14:40	
Pentachlorophenol	ug/L	ND	50.0	03/04/09 14:40	
Phenanthrene	ug/L	ND	10.0	03/04/09 14:40	
Phenol	ug/L	ND	10.0	03/04/09 14:40	
Pyrene	ug/L	ND	10.0	03/04/09 14:40	
2,4,6-Tribromophenol (S)	%	66	25-150	03/04/09 14:40	
2-Fluorobiphenyl (S)	%	70	30-150	03/04/09 14:40	
2-Fluorophenol (S)	%	44	25-150	03/04/09 14:40	
Nitrobenzene-d5 (S)	%	92	30-150	03/04/09 14:40	
Phenol-d6 (S)	%	31	25-150	03/04/09 14:40	
Terphenyl-d14 (S)	%	88	30-150	03/04/09 14:40	

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LABORATORY CONTROL SAMPLE: 244167

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	25.7	51	19-120	
1,2-Dichlorobenzene	ug/L	50	28.0	56	19-120	
1,2-Diphenylhydrazine	ug/L	50	33.8	68	50-150	
1,3-Dichlorobenzene	ug/L	50	26.1	52	15-120	
1,4-Dichlorobenzene	ug/L	50	27.2	54	15-120	
1-Methylnaphthalene	ug/L	50	36.4	73	21-120	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: NC DFR-MT HOLLY

Pace Project No.: 9238788

LABORATORY CONTROL SAMPLE: 244167

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,4,5-Trichlorophenol	ug/L	50	43.3	87	23-113	
2,4,6-Trichlorophenol	ug/L	50	43.6	87	21-113	
2,4-Dichlorophenol	ug/L	50	38.7	77	12-127	
2,4-Dimethylphenol	ug/L	50	30.1	60	24-120	
2,4-Dinitrophenol	ug/L	50	15.9J	32	10-127	
2,4-Dinitrotoluene	ug/L	50	40.8	82	36-115	
2,6-Dinitrotoluene	ug/L	50	41.6	83	37-114	
2-Chloronaphthalene	ug/L	50	34.7	69	36-101	
2-Chlorophenol	ug/L	50	40.3	81	24-120	
2-Methylnaphthalene	ug/L	50	31.9	64	19-120	
2-Methylphenol(o-Cresol)	ug/L	50	31.8	64	25-120	
2-Nitroaniline	ug/L	50	48.6J	97	30-109	
2-Nitrophenol	ug/L	50	43.0	86	24-120	
3&4-Methylphenol(m&p Cresol)	ug/L	50	34.0	68	24-120	
3,3'-Dichlorobenzidine	ug/L	50	5.0J	10	14-120 L0	
3-Nitroaniline	ug/L	50	38.7J	77	23-133	
4,6-Dinitro-2-methylphenol	ug/L	50	31.6	63	10-128	
4-Bromophenylphenyl ether	ug/L	50	45.3	91	35-113	
4-Chloro-3-methylphenol	ug/L	50	41.8	84	32-107	
4-Chloroaniline	ug/L	50	15.4J	31	12-150	
4-Chlorophenylphenyl ether	ug/L	50	40.8	82	36-110	
4-Nitroaniline	ug/L	50	39.7J	79	12-150	
4-Nitrophenol	ug/L	50	16.3J	33	10-120	
Acenaphthene	ug/L	50	38.2	76	27-102	
Acenaphthylene	ug/L	50	34.6	69	25-105	
Aniline	ug/L	50	24.8	50	10-150	
Anthracene	ug/L	50	46.8	94	30-113	
Benzo(a)anthracene	ug/L	50	48.8	98	27-113	
Benzo(a)pyrene	ug/L	50	48.7	97	27-119	
Benzo(b)fluoranthene	ug/L	50	47.8	96	22-114	
Benzo(g,h,i)perylene	ug/L	50	26.9	54	10-129	
Benzo(k)fluoranthene	ug/L	50	47.6	95	24-111	
Benzoic Acid	ug/L	50	ND	4	24-120 L0	
Benzyl alcohol	ug/L	50	38.6	77	24-120	
bis(2-Chloroethoxy)methane	ug/L	50	48.8	98	32-120	
bis(2-Chloroethyl) ether	ug/L	50	46.3	93	29-120	
bis(2-Chloroisopropyl) ether	ug/L	50	43.7	87	22-120	
bis(2-Ethylhexyl)phthalate	ug/L	50	50.4	101	29-125	
Butylbenzylphthalate	ug/L	50	49.0	98	33-120	
Chrysene	ug/L	50	47.5	95	23-112	
Di-n-butylphthalate	ug/L	50	50.0	100	38-116	
Di-n-octylphthalate	ug/L	50	48.7	97	32-122	
Dibenz(a,h)anthracene	ug/L	50	27.8	56	10-129	
Dibenzofuran	ug/L	50	37.8	76	37-107	
Diethylphthalate	ug/L	50	44.6	89	40-111	
Dimethylphthalate	ug/L	50	45.2	90	39-108	
Fluoranthene	ug/L	50	46.7	93	27-112	
Fluorene	ug/L	50	43.4	87	29-107	

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## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: NC DFR-MT HOLLY

Pace Project No.: 9238788

LABORATORY CONTROL SAMPLE: 244167

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Hexachloro-1,3-butadiene	ug/L	50	22.7	45	10-113	
Hexachlorobenzene	ug/L	50	37.8	76	29-119	
Hexachlorocyclopentadiene	ug/L	50	30.8	62	10-113	
Hexachloroethane	ug/L	50	27.5	55	10-120	
Indeno(1,2,3-cd)pyrene	ug/L	50	28.7	57	14-123	
Isophorone	ug/L	50	48.8	98	23-150	
N-Nitroso-di-n-propylamine	ug/L	50	45.3	91	31-104	
N-Nitrosodimethylamine	ug/L	50	40.5	81	10-120	
N-Nitrosodiphenylamine	ug/L	50	45.8	92	27-139	
Naphthalene	ug/L	50	34.8	70	17-120	
Nitrobenzene	ug/L	50	46.3	93	27-120	
Pentachlorophenol	ug/L	50	39.1J	78	10-135	
Phenanthrene	ug/L	50	50.2	100	28-111	
Phenol	ug/L	50	21.1	42	10-120	
Pyrene	ug/L	50	49.8	100	27-113	
2,4,6-Tribromophenol (S)	%			81	25-150	
2-Fluorobiphenyl (S)	%			79	30-150	
2-Fluorophenol (S)	%			41	25-150	
Nitrobenzene-d5 (S)	%			96	30-150	
Phenol-d6 (S)	%			32	25-150	
Terphenyl-d14 (S)	%			98	30-150	

MATRIX SPIKE &amp; MATRIX SPIKE DUPLICATE: 244168

244169

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max		
		9238788001	Result	Spike Conc.	Spike Conc.				RPD	RPD	Qual
1,2,4-Trichlorobenzene	ug/L	ND	119	119	49.3	44.2	41	37	13-120	11	30
1,4-Dichlorobenzene	ug/L	ND	119	119	53.2	40.6	45	34	19-120	27	30
2,4-Dinitrotoluene	ug/L	ND	119	119	68.6	63.9	58	54	41-109	7	30
2-Chlorophenol	ug/L	ND	119	119	80.8	66.2	68	56	33-120	20	30
4-Chloro-3-methylphenol	ug/L	ND	119	119	75.0	73.6	63	62	30-108	2	30
4-Nitrophenol	ug/L	ND	119	119	73.1J	75.9J	61	64	10-120		30
Acenaphthene	ug/L	ND	119	119	78.2	74.2	66	62	27-101	5	30
N-Nitroso-di-n-propylamine	ug/L	ND	119	119	119	108	100	91	34-120	9	30
Pentachlorophenol	ug/L	ND	119	119	80.8J	82.6J	68	69	10-138		30
Phenol	ug/L	ND	119	119	69.5	63.4	58	53	10-120	9	30
Pyrene	ug/L	ND	119	119	86.6	82.0	73	69	31-110	5	30
2,4,6-Tribromophenol (S)	%						66	65	25-150		
2-Fluorobiphenyl (S)	%						62	61	30-150		
2-Fluorophenol (S)	%						56	43	25-150		
Nitrobenzene-d5 (S)	%						70	63	30-150		
Phenol-d6 (S)	%						48	45	25-150		
Terphenyl-d14 (S)	%						68	67	30-150		

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## QUALITY CONTROL DATA

Project: NC DFR-MT HOLLY  
 Pace Project No.: 9238788

QC Batch:	MERP/2001	Analysis Method:	EPA 245.1
QC Batch Method:	EPA 245.1	Analysis Description:	245.1 Mercury
Associated Lab Samples:	9238788001, 9238788002, 9238788003, 9238788004, 9238788005, 9238788006, 9238788007, 9238788008, 9238788009		

METHOD BLANK:	242260	Matrix:	Water
Associated Lab Samples:	9238788001, 9238788002, 9238788003, 9238788004, 9238788005, 9238788006, 9238788007, 9238788008, 9238788009		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	02/27/09 14:01	

LABORATORY CONTROL SAMPLE: 242261

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.6	105	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 242262 242263

Parameter	Units	9238740001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	0.59	2.5	2.5	1.8	1.8	50	50	70-130	0	20	M0

SAMPLE DUPLICATE: 242264

Parameter	Units	9238740002 Result	Dup Result	Max RPD	Qualifiers
Mercury	ug/L	ND	ND	20	

**QUALITY CONTROL DATA**

Project: NC DFR-MT HOLLY  
Pace Project No.: 9238788

QC Batch: MPRP/3907 Analysis Method: EPA 6010  
QC Batch Method: EPA 3010 Analysis Description: 6010 MET  
Associated Lab Samples: 9238788003, 9238788004, 9238788005, 9238788006, 9238788007, 9238788008, 9238788009

METHOD BLANK: 243829 Matrix: Water

Associated Lab Samples: 9238788003, 9238788004, 9238788005, 9238788006, 9238788007, 9238788008, 9238788009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	5.0	03/06/09 01:14	
Arsenic	ug/L	ND	5.0	03/06/09 01:14	
Beryllium	ug/L	ND	1.0	03/06/09 01:14	
Cadmium	ug/L	ND	1.0	03/06/09 01:14	
Chromium	ug/L	ND	5.0	03/06/09 01:14	
Copper	ug/L	ND	5.0	03/06/09 01:14	
Lead	ug/L	ND	5.0	03/06/09 01:14	
Manganese	ug/L	ND	5.0	03/06/09 01:14	
Nickel	ug/L	ND	5.0	03/06/09 01:14	
Selenium	ug/L	ND	10.0	03/06/09 01:14	
Silver	ug/L	ND	5.0	03/06/09 01:14	
Thallium	ug/L	ND	10.0	03/06/09 01:14	
Zinc	ug/L	3.3J	10.0	03/06/09 01:14	

LABORATORY CONTROL SAMPLE: 243830

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	497	99	80-120	
Arsenic	ug/L	500	496	99	80-120	
Beryllium	ug/L	500	505	101	80-120	
Cadmium	ug/L	500	513	103	80-120	
Chromium	ug/L	500	499	100	80-120	
Copper	ug/L	500	477	95	80-120	
Lead	ug/L	500	512	102	80-120	
Manganese	ug/L	500	504	101	80-120	
Nickel	ug/L	500	491	98	80-120	
Selenium	ug/L	500	493	99	80-120	
Silver	ug/L	250	250	100	80-120	
Thallium	ug/L	500	522	104	80-120	
Zinc	ug/L	500	514	103	80-120	

MATRIX SPIKE SAMPLE: 243831

Parameter	Units	9238788003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	ND	500	495	99	75-125	
Arsenic	ug/L	ND	500	499	100	75-125	
Beryllium	ug/L	ND	500	500	100	75-125	
Cadmium	ug/L	ND	500	506	101	75-125	
Chromium	ug/L	4.4J	500	484	96	75-125	
Copper	ug/L	ND	500	471	94	75-125	

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### QUALITY CONTROL DATA

Project: NC DFR-MT HOLLY  
 Pace Project No.: 9238788

MATRIX SPIKE SAMPLE: 243831

Parameter	Units	9238788003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	ND	500	499	100	75-125	
Manganese	ug/L	53.3	500	536	97	75-125	
Nickel	ug/L	ND	500	476	95	75-125	
Selenium	ug/L	ND	500	505	101	75-125	
Silver	ug/L	ND	250	251	100	75-125	
Thallium	ug/L	3.2J	500	513	102	75-125	
Zinc	ug/L	6.6J	500	514	101	75-125	

SAMPLE DUPLICATE: 243832

Parameter	Units	9238788004 Result	Dup Result	RPD	Max RPD	Qualifiers
Antimony	ug/L	ND	ND		20	
Arsenic	ug/L	3.2J	ND		20	
Beryllium	ug/L	ND	ND		20	
Cadmium	ug/L	ND	ND		20	
Chromium	ug/L	1.6J	0.42J		20	
Copper	ug/L	ND	ND		20	
Lead	ug/L	ND	ND		20	
Manganese	ug/L	1030	1010	2	20	
Nickel	ug/L	ND	ND		20	
Selenium	ug/L	ND	ND		20	
Silver	ug/L	0.13J	0.33J		20	
Thallium	ug/L	4.0J	ND		20	
Zinc	ug/L	6.0J	5.9J		20	

## QUALITY CONTROL DATA

Project: NC DFR-MT HOLLY

Pace Project No.: 9238788

QC Batch:	MSV/6339	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV Low Level
Associated Lab Samples:	9238788001, 9238788002, 9238788003, 9238788004, 9238788005, 9238788006, 9238788007, 9238788008, 9238788009		

METHOD BLANK: 246772                          Matrix: Water

Associated Lab Samples: 9238788001, 9238788002, 9238788003, 9238788004, 9238788005, 9238788006, 9238788007, 9238788008,  
9238788009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	03/08/09 13:09	
1,1,1-Trichloroethane	ug/L	ND	1.0	03/08/09 13:09	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	03/08/09 13:09	
1,1,2-Trichloroethane	ug/L	ND	1.0	03/08/09 13:09	
1,1-Dichloroethane	ug/L	ND	1.0	03/08/09 13:09	
1,1-Dichloroethene	ug/L	ND	1.0	03/08/09 13:09	
1,1-Dichloropropene	ug/L	ND	1.0	03/08/09 13:09	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	03/08/09 13:09	
1,2,3-Trichloropropane	ug/L	ND	1.0	03/08/09 13:09	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	03/08/09 13:09	
1,2-Dibromo-3-chloropropane	ug/L	ND	3.0	03/08/09 13:09	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	03/08/09 13:09	
1,2-Dichlorobenzene	ug/L	ND	1.0	03/08/09 13:09	
1,2-Dichloroethane	ug/L	ND	1.0	03/08/09 13:09	
1,2-Dichloropropane	ug/L	ND	1.0	03/08/09 13:09	
1,3-Dichlorobenzene	ug/L	ND	1.0	03/08/09 13:09	
1,3-Dichloropropane	ug/L	ND	1.0	03/08/09 13:09	
1,4-Dichlorobenzene	ug/L	ND	1.0	03/08/09 13:09	
2,2-Dichloropropane	ug/L	ND	1.0	03/08/09 13:09	
2-Butanone (MEK)	ug/L	ND	5.0	03/08/09 13:09	
2-Chlorotoluene	ug/L	ND	1.0	03/08/09 13:09	
2-Hexanone	ug/L	ND	5.0	03/08/09 13:09	
4-Chlorotoluene	ug/L	ND	1.0	03/08/09 13:09	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	03/08/09 13:09	
Acetone	ug/L	ND	25.0	03/08/09 13:09	
Benzene	ug/L	ND	1.0	03/08/09 13:09	
Bromobenzene	ug/L	ND	1.0	03/08/09 13:09	
Bromochloromethane	ug/L	ND	1.0	03/08/09 13:09	
Bromodichloromethane	ug/L	ND	1.0	03/08/09 13:09	
Bromoform	ug/L	ND	1.0	03/08/09 13:09	
Bromomethane	ug/L	ND	5.0	03/08/09 13:09	
Carbon tetrachloride	ug/L	ND	1.0	03/08/09 13:09	
Chlorobenzene	ug/L	ND	1.0	03/08/09 13:09	
Chloroethane	ug/L	ND	1.0	03/08/09 13:09	
Chloroform	ug/L	0.19J	1.0	03/08/09 13:09	
Chloromethane	ug/L	ND	1.0	03/08/09 13:09	
cis-1,2-Dichloroethene	ug/L	ND	1.0	03/08/09 13:09	
cis-1,3-Dichloropropene	ug/L	ND	1.0	03/08/09 13:09	
Dibromochloromethane	ug/L	ND	1.0	03/08/09 13:09	
Dibromomethane	ug/L	ND	1.0	03/08/09 13:09	
Dichlorodifluoromethane	ug/L	ND	1.0	03/08/09 13:09	

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## QUALITY CONTROL DATA

Project: NC DFR-MT HOLLY  
 Pace Project No.: 9238788

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METHOD BLANK: 246772                                  Matrix: Water

Associated Lab Samples: 9238788001, 9238788002, 9238788003, 9238788004, 9238788005, 9238788006, 9238788007, 9238788008,  
 9238788009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	ND	1.0	03/08/09 13:09	
Ethylbenzene	ug/L	ND	1.0	03/08/09 13:09	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	03/08/09 13:09	
m&p-Xylene	ug/L	ND	2.0	03/08/09 13:09	
Methyl-tert-butyl ether	ug/L	ND	1.0	03/08/09 13:09	
Methylene Chloride	ug/L	ND	2.0	03/08/09 13:09	
Naphthalene	ug/L	ND	1.0	03/08/09 13:09	
o-Xylene	ug/L	ND	1.0	03/08/09 13:09	
p-Isopropyltoluene	ug/L	ND	1.0	03/08/09 13:09	
Styrene	ug/L	ND	1.0	03/08/09 13:09	
Tetrachloroethene	ug/L	ND	1.0	03/08/09 13:09	
Toluene	ug/L	ND	1.0	03/08/09 13:09	
trans-1,2-Dichloroethene	ug/L	ND	1.0	03/08/09 13:09	
trans-1,3-Dichloropropene	ug/L	ND	1.0	03/08/09 13:09	
Trichloroethene	ug/L	ND	1.0	03/08/09 13:09	
Trichlorofluoromethane	ug/L	ND	1.0	03/08/09 13:09	
Vinyl acetate	ug/L	ND	2.0	03/08/09 13:09	
Vinyl chloride	ug/L	ND	1.0	03/08/09 13:09	
1,2-Dichloroethane-d4 (S)	%	109	79-120	03/08/09 13:09	
4-Bromofluorobenzene (S)	%	99	87-109	03/08/09 13:09	
Dibromofluoromethane (S)	%	110	85-115	03/08/09 13:09	
Toluene-d8 (S)	%	101	70-120	03/08/09 13:09	

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LABORATORY CONTROL SAMPLE: 246773

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	53.4	107	83-125	
1,1,1-Trichloroethane	ug/L	50	53.3	107	80-129	
1,1,2,2-Tetrachloroethane	ug/L	50	53.9	108	73-127	
1,1,2-Trichloroethane	ug/L	50	53.6	107	77-123	
1,1-Dichloroethane	ug/L	50	50.6	101	76-129	
1,1-Dichloroethene	ug/L	50	51.1	102	78-146	
1,1-Dichloropropene	ug/L	50	49.9	100	79-134	
1,2,3-Trichlorobenzene	ug/L	50	53.2	106	70-150	
1,2,3-Trichloropropane	ug/L	50	56.1	112	72-125	
1,2,4-Trichlorobenzene	ug/L	50	53.3	107	68-127	
1,2-Dibromo-3-chloropropane	ug/L	50	50.1	100	65-128	
1,2-Dibromoethane (EDB)	ug/L	50	54.0	108	81-125	
1,2-Dichlorobenzene	ug/L	50	50.3	101	82-126	
1,2-Dichloroethane	ug/L	50	53.0	106	72-126	
1,2-Dichloropropane	ug/L	50	48.1	96	80-127	
1,3-Dichlorobenzene	ug/L	50	49.0	98	82-124	
1,3-Dichloropropane	ug/L	50	51.3	103	79-124	
1,4-Dichlorobenzene	ug/L	50	52.1	104	79-125	

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## QUALITY CONTROL DATA

Project: NC DFR-MT HOLLY

Pace Project No.: 9238788

LABORATORY CONTROL SAMPLE: 246773

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	ug/L	50	56.4	113	58-140	
2-Butanone (MEK)	ug/L	100	106	106	50-134	
2-Chlorotoluene	ug/L	50	51.2	102	81-126	
2-Hexanone	ug/L	100	104	104	58-138	
4-Chlorotoluene	ug/L	50	50.8	102	82-126	
4-Methyl-2-pentanone (MIBK)	ug/L	100	117	117	70-131	
Acetone	ug/L	100	113	113	50-146	
Benzene	ug/L	50	48.8	98	78-128	
Bromobenzene	ug/L	50	47.5	95	81-127	
Bromochloromethane	ug/L	50	49.7	99	73-124	
Bromodichloromethane	ug/L	50	51.4	103	81-125	
Bromoform	ug/L	50	56.6	113	71-125	
Bromomethane	ug/L	50	54.4	109	50-150	
Carbon tetrachloride	ug/L	50	52.6	105	81-137	
Chlorobenzene	ug/L	50	47.6	95	82-126	
Chloroethane	ug/L	50	54.4	109	69-140	
Chloroform	ug/L	50	51.2	102	77-129	
Chloromethane	ug/L	50	48.4	97	54-139	
cis-1,2-Dichloroethene	ug/L	50	48.9	98	76-133	
cis-1,3-Dichloropropene	ug/L	50	52.4	105	76-127	
Dibromochloromethane	ug/L	50	52.6	105	77-125	
Dibromomethane	ug/L	50	51.7	103	77-125	
Dichlorodifluoromethane	ug/L	50	47.6	95	50-150	
Diisopropyl ether	ug/L	50	50.1	100	74-131	
Ethylbenzene	ug/L	50	51.9	104	80-127	
Hexachloro-1,3-butadiene	ug/L	50	52.2	104	78-145	
m&p-Xylene	ug/L	100	108	108	82-127	
Methyl-tert-butyl ether	ug/L	50	55.4	111	71-130	
Methylene Chloride	ug/L	50	43.6	87	67-133	
Naphthalene	ug/L	50	66.2	132	52-136	
o-Xylene	ug/L	50	53.1	106	83-124	
p-Isopropyltoluene	ug/L	50	57.3	115	73-122	
Styrene	ug/L	50	56.5	113	80-130	
Tetrachloroethene	ug/L	50	51.1	102	78-128	
Toluene	ug/L	50	48.8	98	76-126	
trans-1,2-Dichloroethene	ug/L	50	46.3	93	78-134	
trans-1,3-Dichloropropene	ug/L	50	55.5	111	75-125	
Trichloroethene	ug/L	50	49.0	98	79-127	
Trichlorofluoromethane	ug/L	50	55.1	110	76-148	
Vinyl acetate	ug/L	100	106	106	50-150	
Vinyl chloride	ug/L	50	49.5	99	67-143	
1,2-Dichloroethane-d4 (S)	%			106	79-120	
4-Bromofluorobenzene (S)	%			104	87-109	
Dibromofluoromethane (S)	%			99	85-115	
Toluene-d8 (S)	%			96	70-120	

## QUALITY CONTROL DATA

Project: NC DFR-MT HOLLY

Pace Project No.: 9238788

Parameter	Units	9238788003 Result	MS		MSD		MS Result	MSD Result	% Rec % Rec	% Rec Limits	Max	
			Spike Conc.	MSD Spike Conc.	MS Result	MSD Result					RPD	RPD
1,1-Dichloroethene	ug/L	ND	50	50	49.0	47.1	98	94	60-150	4	30	
Benzene	ug/L	ND	50	50	55.6	53.1	111	106	74-136	5	30	
Chlorobenzene	ug/L	0.23J	50	50	54.1	51.8	108	103	79-135	4	30	
Toluene	ug/L	ND	50	50	57.6	60.7	115	121	73-131	5	30	
Trichloroethene	ug/L	ND	50	50	55.5	52.9	111	105	73-131	5	30	
1,2-Dichloroethane-d4 (S)	%						100	105	79-120			
4-Bromofluorobenzene (S)	%						99	98	87-109			
Dibromofluoromethane (S)	%						100	102	85-115			
Toluene-d8 (S)	%						96	107	70-120			

## QUALIFIERS

Project: NC DFR-MT HOLLY  
Pace Project No.: 9238788

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

U - Indicates the compound was analyzed for, but not detected.

### ANALYTE QUALIFIERS

- 1g Acid surrogate recovery outside of control limits. The data was accepted based on valid recovery of the 2 remaining acid surrogates.
- L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
- M0 Matrix spike recovery was outside laboratory control limits.
- Z2 Analyte present in the associated method blank above the detection limit.
- pH Post-analysis pH measurement indicates insufficient VOA sample preservation.



## **CHAIN-OF-CUSTODY / Analytical Request Document**

The Chain-of-Custody is a **LEGAL DOCUMENT**. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:		Page:   of
Company: <i>Froehling + Robertson</i>	Report To: <i>Mike Sabodish</i>	Attention:				
Address: <i>120 Pennmarc dr, Ste 107</i> <i>Raleigh, NC 27603</i>	Copy To:	Company Name:				<b>1178904</b>
Email To: <i>m.sabodish@FandR.com</i>	Purchase Order No.:	Address:				
Phone: <i>(919)828-3441</i>	Fax:	Pace Quote Reference:			<input type="checkbox"/> NPDES <input checked="" type="checkbox"/> GROUND WATER <input checked="" type="checkbox"/> DRINKING WATER	
Project Name: <i>NC DFR - Mt. Holly</i>		Pace Project Manager:	Bonnee 1670-2		<input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER _____	
Requested Due Date/TAT:		Project Number:	Pace Profile #:		Site Location <b>STATE:</b> <i>NC</i>	

SAMPLER NAME AND SIGNATURE	PRINT Name of SAMPLER:	SIGNATURE of SAMPLER:	DATE Signed (MM/DD/YY):	Temp in °C	Received on Ice (Y/N)	Custody Sealer (Y/N)	Samples Intact (Y/N)
	ELIAS RUHL		2-25-09				

**\*Important Note:** By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical

**Sample Condition Upon Receipt**Client Name: F&RProject # 9238188Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other \_\_\_\_\_Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  noPacking Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Optional	
Proj. Due Date:	N/A
Proj. Name:	N/A

Thermometer Used T060

Type of Ice:  Wet  Blue  None  Samples on ice, cooling process has begunCooler Temperature: 10.0

Biological Tissue is Frozen: Yes No N/A

Temp should be above freezing to 6°C

Comments: samples

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>#2 bottles Saw 1/145</u>
-Includes date/time/ID/Analysis Matrix:		
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):	N/A	

## Client Notification/ Resolution:

Field Data Required? Y / N / N/A

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_Project Manager Review: CBKmDate: 2/26/09